



SCIENCE STARTERS: ELEMENTARY PHYSICAL & EARTH SCIENCE

Parent Lesson Planner (PLP)



 Weekly Lesson Schedule

 Quizzes & Test

 Answer Key

 Master Supply List

3rd – 8th grade

1 Year
Science

First printing: April 2013

Second printing: August 2013

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Master Books®, P.O. Box 726, Green Forest, AR 72638

Master Books® is a division of the New Leaf Publishing Group, Inc.

ISBN: 978-0-89051-725-3

Unless otherwise noted, Scripture quotations are from the New King James Version of the Bible.

Printed in the United States of America

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If the foundations are destroyed, what can the righteous do?

Psalm 11:3; NKJV

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Whether a pre-school learner or a scholar seeking an advanced degree, we offer a wonderful selection of award-winning resources for all ages and educational levels.

*But sanctify the Lord God in your hearts, and always be ready
to give a defense to everyone who asks you a reason for the hope
that is in you, with meekness and fear.*

1 Peter 3:15; NKJV

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Lessons for a 36-week course!

Overview: This *Science Starters PLP* contains materials for use with *Investigate the Possibilities: Elementary Physical Science – Forces in Motion: From High-speed Jets to Wind-up Toys* and *Investigate the Possibilities: Elementary Earth Science – The Earth: Its Structure & Its Changes*. Materials are organized by each book in the following sections:

| |
|---|
|  Quizzes |
|  Semester Test & Final Exams |
|  Answer Keys |





Multi-level Quiz & Test Options: The Science Starters curriculum allows multi-age students between grades 3 to 8 to be taught at the same time. For your convenience we have included two different levels of quizzes and final exams so that you can choose the ones most appropriate for your student’s age and educational abilities. Suggested levels include:

Level 1 – Grades 3 to 6

Level 2 – Grades 7 & 8

Workflow: Students will read two pages in their book and then complete one page of the Student Journal. Extra Projects are also assigned. Quizzes are given at regular intervals.

Lesson Scheduling: Space is given for assignment dates. There is flexibility in scheduling. While each quarter has 45 days of assignments, they do not have to be given M-F. Some students may prefer to do more assignments each day, allowing for breaks on other days. Each week listed has five days but due to vacations the school work week may not be M-F. Please adapt the days to your school schedule. As the student completes each assignment, he/she should put an “X” in the box.

| | |
|---|---|
|  | Approximately 30 to 45 minutes per lesson, two to three days a week. |
|  | Includes answer keys for quizzes and semester test. |
|  | Multi-level quizzes and tests are included to help reinforce learning and provide assessment opportunities. |
|  | Designed for grades 3 to 8 in a one-year course. Master supply list included. |

Course includes books from creationist authors with solid, biblical worldviews:

Tom DeRosa is an experienced science educator, a committed creationist, and founder/directory of a growing national creation organization whose chief focus is education. His experience in the public school, Christian school, and homeschool markets for over 35 years has given special insights into what really works in engaging young minds. He holds a master’s degree in education, with the emphasis of science curriculum.

Carolyn Reeves is especially skilled at creating ways to help students develop a greater understanding of not just scientific concepts, but also how these are applied within the world around us. Carolyn retired after a 30-year career as a science teacher, finished a doctoral degree in science education, and now serves as a writer and an educational consultant.

Science Starters: Physical and Earth Science

Course Description

This is the suggested course sequence that allows one core area of science to be studied per semester. You can change the sequence of the semesters per the needs or interests of your student; materials for each semester are independent of one another to allow flexibility.

Semester 1: Physical Science

Investigate the Possibilities: Elementary Physical Science – Forces & Motion: From High-speed Jets to Wind-up Toys. Elementary physical science comes alive in this amazing full-color book filled with 20 hands-on activities that ignite a sense of curiosity about the wonderful world God has made. Concepts are introduced in an engaging way by highlighting the science behind kids at play, like rollerskating, skateboarding, and even running. By guiding students through these easy-to-understand investigations, they learn to explain, apply, expand, and assess what they have personally observed! Learn how to determine the speed and motion of favorite toys, create a catapult and experience the mechanics of pulleys, set up a floating pencil race, discover why friction creates heat.

Semester 2: Earth Science

Investigate the Possibilities: Elementary Earth Science – The Earth: Its Structure & Its Changes: Experience the science of fun! Explore the planet like never before with 20 fun and educational experiments. The learning progression helps students engage, investigate, explain, apply, expand, and assess the scientific principles, and is filled with helpful images, diagrams, and inexpensive activities. Students discover why caves and sinkholes form, what is in the soil we walk on every day, how warning signs are present prior to volcanic eruptions, what tests can be used to identify rocks, and more. This comprehensive series makes the study of God's creation both enjoyable and educational!

Calculating a Final Grade

Calculate the Average of the student's Activities & Observations grades.

Divide the average by 3 _____

Calculate the Average of the student's Questions & Quizzes grades.

Divide the average by 3 _____

Calculate the Average of the student's Projects, Contest & Dig Deeper grades.

Divide the average by 3 _____

Add up the numbers for the Final Grade: _____

First Semester Suggested Daily Schedule

| Date | Day | Assignment | Due Date | ✓ | Grade |
|---|--------|---|----------|---|-------|
| First Semester-First Quarter — <i>Forces & Motion</i> | | | | | |
| Week 1 | Day 1 | | | | |
| | Day 2 | Investigation #1: Wind-up Walking Toys Read Pages 4-7 • <i>Forces & Motion</i> (FM) Complete Page S4 • Student Journal (SJ) | | | |
| | Day 3 | | | | |
| | Day 4 | Investigation #1: Wind-up Walking Toys Read Pages 8-9 • (FM) • Complete Page S5 • (SJ) | | | |
| | Day 5 | | | | |
| Week 2 | Day 6 | | | | |
| | Day 7 | Investigation #2: Which Way Did It Go? Read Pages 10-11 • (FM) • Complete Page S6 • (SJ) | | | |
| | Day 8 | | | | |
| | Day 9 | Investigation #2: Which Way Did It Go? Read Pages 12-13 • (FM) • Complete Page S7 • (SJ) | | | |
| | Day 10 | | | | |
| Week 3 | Day 11 | | | | |
| | Day 12 | Investigation #3: Investigating Friction Read Pages 14-15 • (FM) • Complete Page S8 • (SJ) | | | |
| | Day 13 | | | | |
| | Day 14 | Investigation #3: Investigating Friction Read Pages 16-17 • (FM) • Complete Page S9 • (SJ) | | | |
| | Day 15 | | | | |
| Week 4 | Day 16 | | | | |
| | Day 17 | Investigation #4: Friction — Does It Rub You... Read Pages 18-19 • (FM) • Complete Page S10 • (SJ) | | | |
| | Day 18 | | | | |
| | Day 19 | Investigation #4: Friction — Does It Rub You... Read Pages 20-21 • (FM) • Complete Page S11 • (SJ) | | | |
| | Day 20 | | | | |
| Week 5 | Day 21 | Forces & Motion Investigations 1-4 Quiz 1 Level 1 Page 17 • Level 2 Page 29 • Lesson Plan (LP) | | | |
| | Day 22 | | | | |
| | Day 23 | Investigation #5: That's Heavy, Dude Read Pages 22-23 • (FM) • Complete Page S12 • (SJ) | | | |
| | Day 24 | | | | |
| | Day 25 | Investigation #5: That's Heavy, Dude Read Pages 24-25 • (FM) • Complete Page S13 • (SJ) | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|---|--------|--|----------|---|-------|
| Week 6 | Day 26 | Investigation #6: Floating Pencil Race Read Pages 26-27 • (FM) • Complete Page S14 • (SJ) | | | |
| | Day 27 | | | | |
| | Day 28 | Investigation #6: Floating Pencil Race Read Pages 28-29 • (FM) • Complete Page S15 • (SJ) | | | |
| | Day 29 | | | | |
| | Day 30 | Investigation #7: What Floats Your Boat? Read Pages 30-31 • (FM) • Complete Page S16 • (SJ) | | | |
| Week 7 | Day 31 | Investigation #7: What Floats Your Boat? Read Pages 32-33 • (FM) • Complete Page S17 • (SJ) | | | |
| | Day 32 | | | | |
| | Day 33 | Investigation #8: Giving Airplanes a Lift Read Pages 34-35 • (FM) • Complete Page S18 • (SJ) | | | |
| | Day 34 | | | | |
| | Day 35 | Investigation #8: Giving Airplanes a Lift Read Pages 36-37 • (FM) • Complete Page S19 • (SJ) | | | |
| Week 8 | Day 36 | | | | |
| | Day 37 | Forces & Motion Investigations 5-8 Quiz 2 Level 1 Page 19 • Level 2 Page 31 • (LP) | | | |
| | Day 38 | | | | |
| | Day 39 | Investigation #9: Crash Test Dummies Read Pages 38-39 • (FM) • Complete Page S20 • (SJ) | | | |
| | Day 40 | | | | |
| Week 9 | Day 41 | Investigation #9: Crash Test Dummies Read Pages 40-41 • (FM) • Complete Page S21 • (SJ) | | | |
| | Day 42 | | | | |
| | Day 43 | Investigation #10: Cars and Ramps Read Pages 42-43 • (FM) • Complete Page S22 • (SJ) | | | |
| | Day 44 | | | | |
| | Day 45 | Investigation #10: Cars and Ramps Read Pages 44-45 • (FM) • Complete Page S23 • (SJ) | | | |
| First Semester-Second Quarter — <i>Forces & Motion</i> | | | | | |
| Week 1 | Day 46 | Investigation #11: The Mighty Conquering Catapults Read Pages 46-47 • (FM) • Complete Page S24 • (SJ) | | | |
| | Day 47 | | | | |
| | Day 48 | Investigation #11: The Mighty Conquering Catapults Read Pages 48-49 • (FM) • Complete Page S25 • (SJ) | | | |
| | Day 49 | | | | |
| | Day 50 | Investigation #11: The Mighty Conquering Catapults — Isaac Newton • Read Pages 50-51 • (FM) | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--------|--------|---|----------|---|-------|
| Week 2 | Day 51 | Investigation #12: Round and Round without Stopping Read Pages 52-53 • (FM) • Complete Page S26 • (SJ) | | | |
| | Day 52 | | | | |
| | Day 53 | Investigation #12: Round and Round without Stopping Read Pages 54-55 • (FM) • Complete Page S27 • (SJ) | | | |
| | Day 54 | | | | |
| | Day 55 | Investigation #13: Roller Derby with Flour Read Pages 56-57 • (FM) • Complete Page S28 • (SJ) | | | |
| Week 3 | Day 56 | Investigation #13: Roller Derby with Flour Read Pages 58-59 • (FM) • Complete Page S29 • (SJ) | | | |
| | Day 57 | | | | |
| | Day 58 | Investigation #14: Balloon Jet Propulsion Read Pages 60-61 • (FM) • Complete Page S30 • (SJ) | | | |
| | Day 59 | | | | |
| | Day 60 | Investigation #14: Balloon Jet Propulsion Read Pages 62-63 • (FM) • Complete Page S31 • (SJ) | | | |
| Week 4 | Day 61 | Forces & Motion Investigations 9-14 Quiz 3 Level 1 Page 21 • Level 2 Page 33 • (LP) | | | |
| | Day 62 | | | | |
| | Day 63 | Investigation #15: Balancing Act with a Stick Read Pages 64-65 • (FM) • Complete Page S32 • (SJ) | | | |
| | Day 64 | | | | |
| | Day 65 | Investigation #15: Balancing Act with a Stick Read Pages 66-67 • (FM) • Complete Page S33 • (SJ) | | | |
| Week 5 | Day 66 | | | | |
| | Day 67 | Investigation #16: Spinning Tops Read Pages 68-69 • (FM) • Complete Page S34 • (SJ) | | | |
| | Day 68 | | | | |
| | Day 69 | Investigation #16: Spinning Tops Read Pages 70-71 • (FM) • Complete Page S35 • (SJ) | | | |
| | Day 70 | | | | |
| Week 6 | Day 71 | | | | |
| | Day 72 | Investigation #17: He Ain't Heavy, He's Just My... Read Pages 72-73 • (FM) • Complete Page S36 • (SJ) | | | |
| | Day 73 | | | | |
| | Day 74 | Investigation #17: He Ain't Heavy, He's Just My... Read Pages 74-75 • (FM) • Complete Page S37 • (SJ) | | | |
| | Day 75 | | | | |
| Week 7 | Day 76 | | | | |
| | Day 77 | Investigation #18: How Do Like Your Pulleys? Read Pages 76-77 • (FM) • Complete Page S38 • (SJ) | | | |
| | Day 78 | | | | |
| | Day 79 | Investigation #18: How Do Like Your Pulleys? Read Pages 78-79 • (FM) • Complete Page S39 • (SJ) | | | |
| | Day 80 | | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--------|--------|---|----------|---|-------|
| Week 8 | Day 81 | Investigation #19: And the Wheel Goes Round Read Pages 80-81 • (FM) • Complete Page S40 • (SJ) | | | |
| | Day 82 | | | | |
| | Day 83 | Investigation #19: And the Wheel Goes Round Read Pages 82-83 • (FM) • Complete Page S41 • (SJ) | | | |
| | Day 84 | | | | |
| | Day 85 | Investigation #20: If It Doesn't Move, How Can It Be... Read Pages 84-85 • (FM) • Complete Page S42 • (SJ) | | | |
| Week 9 | Day 86 | Investigation #20: If It Doesn't Move, How Can It Be... Read Pages 86-87 • (FM) • Complete Page S43 • (SJ) | | | |
| | Day 87 | | | | |
| | Day 88 | Forces & Motion Investigations 15-20 Quiz 4 Level 1 Page 23 • Level 2 Page 37 • (LP) | | | |
| | Day 89 | | | | |
| | Day 90 | Forces & Motion Investigations 1-20 Test 1 Level 1 Page 25 • Level 2 Page 39 • (LP) | | | |
| | | Mid-Term Grade | | | |

Second Semester Suggested Daily Schedule

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--|---------|---|----------|---|-------|
| Second Semester-Third Quarter — <i>The Earth</i> | | | | | |
| Week 1 | Day 91 | | | | |
| | Day 92 | Investigation #1: Orange You Going to Map the Earth? Read Pages 4-7 • <i>The Earth</i> (TE) Complete Page S1 • Student Journal (SJ) | | | |
| | Day 93 | | | | |
| | Day 94 | Investigation #1: Orange You Going to Map the Earth? Read Pages 8-9 • (TE) • Complete Page S2 • (SJ) | | | |
| | Day 95 | | | | |
| Week 2 | Day 96 | | | | |
| | Day 97 | Investigation #2: Composition of the Earth Read Pages 10-11 • (TE) • Complete Page S3 • (SJ) | | | |
| | Day 98 | | | | |
| | Day 99 | Investigation #2: Composition of the Earth Read Pages 12-13 • (TE) • Complete Page S4 • (SJ) | | | |
| | Day 100 | | | | |
| Week 3 | Day 101 | | | | |
| | Day 102 | Investigation #3: Why Is Everything Moving? Read Pages 14-15 • (TE) • Complete Page S5 • (SJ) | | | |
| | Day 103 | | | | |
| | Day 104 | Investigation #3: Why Is Everything Moving? Read Pages 16-17 • (TE) • Complete Page S6 • (SJ) | | | |
| | Day 105 | | | | |
| Week 4 | Day 106 | Investigation #4: Earthquake Read Pages 18-19 • (TE) • Complete Page S7 • (SJ) | | | |
| | Day 107 | | | | |
| | Day 108 | Investigation #4: Earthquake Read Pages 20-21 • (TE) • Complete Page S8 • (SJ) | | | |
| | Day 109 | | | | |
| | Day 110 | The Earth Investigations 1-4 Quiz 1 Level 1 Page 45 • Level 2 Page 59 • (LP) | | | |
| Week 5 | Day 111 | | | | |
| | Day 112 | Investigation #5: Living with Earthquakes Read Pages 22-23 • (TE) • Complete Page S9 • (SJ) | | | |
| | Day 113 | | | | |
| | Day 114 | Investigation #5: Living with Earthquakes Read Pages 24-25 • (TE) • Complete Page S10 • (SJ) | | | |
| | Day 115 | | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--|---------|--|----------|---|-------|
| Week 6 | Day 116 | | | | |
| | Day 117 | Investigation #6: Volcanoes Read Pages 26-27 • (TE) • Complete Page S11 • (SJ) | | | |
| | Day 118 | | | | |
| | Day 119 | Investigation #6: Volcanoes Read Pages 28-31 • (TE) • Complete Page S12 • (SJ) | | | |
| | Day 120 | | | | |
| Week 7 | Day 121 | Investigation #7: Mountains (Folding and Faulting) Read Pages 32-33 • (TE) • Complete Page S13 • (SJ) | | | |
| | Day 122 | | | | |
| | Day 123 | Investigation #7: Mountains (Folding and Faulting) Read Pages 34-35 • (TE) • Complete Page S14 • (SJ) | | | |
| | Day 124 | | | | |
| | Day 125 | Investigation #8: Pardon the Intrusion Read Pages 36-37 • (TE) • Complete Page S15 • (SJ) | | | |
| Week 8 | Day 126 | Investigation #8: Pardon the Intrusion Read Pages 38-39 • (TE) • Complete Page S16 • (SJ) | | | |
| | Day 127 | | | | |
| | Day 128 | The Earth Investigations 5-8 Quiz 2 Level 1 Page 47 • Level 2 Page 61 • (LP) | | | |
| | Day 129 | | | | |
| | Day 130 | Investigation #9: Mapping a Mountain Read Pages 40-41 • (TE) • Complete Page S17 • (SJ) | | | |
| Week 9 | Day 131 | Investigation #9: Mapping a Mountain Read Pages 42-43 • (TE) • Complete Page S18 • (SJ) | | | |
| | Day 132 | | | | |
| | Day 133 | Investigation #10: Growing Crystals Read Pages 44-45 • (TE) • Complete Page S19 • (SJ) | | | |
| | Day 134 | | | | |
| | Day 135 | Investigation #10: Growing Crystals Read Pages 46-47 • (TE) • Complete Page S20 • (SJ) | | | |
| Second Semester-Fourth Quarter — <i>The Earth</i> | | | | | |
| Week 1 | Day 136 | | | | |
| | Day 137 | Investigation #11: Minerals Read Pages 48-49 • (TE) • Complete Page S21 • (SJ) | | | |
| | Day 138 | | | | |
| | Day 139 | Investigation #11: Minerals Read Pages 50-51 • (TE) • Complete Page S22 • (SJ) | | | |
| | Day 140 | | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--------|---------|--|----------|---|-------|
| Week 2 | Day 141 | Investigation #12: Rocks That Fizz Read Pages 52-53 • (TE) • Complete Page S23 • (SJ) | | | |
| | Day 142 | | | | |
| | Day 143 | Investigation #12: Rocks That Fizz Read Pages 54-55 • (TE) • Complete Page S24 • (SJ) | | | |
| | Day 144 | | | | |
| | Day 145 | The Earth Investigations 9-12 Quiz 3 Level 1 Page 49 • Level 2 Page 63 • (LP) | | | |
| Week 3 | Day 146 | | | | |
| | Day 147 | Investigation #13: Rocks Have an ID Read Pages 56-57 • (TE) • Complete Page S25 • (SJ) | | | |
| | Day 148 | | | | |
| | Day 149 | Investigation #13: Rocks Have an ID Read Pages 58-59 • (TE) • Complete Page S26 • (SJ) | | | |
| | Day 150 | | | | |
| Week 4 | Day 151 | | | | |
| | Day 152 | Investigation #14: How Little, Tiny Things Settle... Read Pages 60-61 • (TE) • Complete Page S27 • (SJ) | | | |
| | Day 153 | | | | |
| | Day 154 | Investigation #14: How Little, Tiny Things Settle... Read Pages 62-63 • (TE) • Complete Page S28 • (SJ) | | | |
| | Day 155 | | | | |
| Week 5 | Day 156 | Investigation #15: How Rocks and Dirt Catch a Ride Read Pages 64-65 • (TE) • Complete Page S29 • (SJ) | | | |
| | Day 157 | | | | |
| | Day 158 | Investigation #15: How Rocks and Dirt Catch a Ride Read Pages 66-67 • (TE) • Complete Page S30 • (SJ) | | | |
| | Day 159 | | | | |
| | Day 160 | Investigation #16: Physical and Chemical Weathering Read Pages 68-69 • (TE) • Complete Page S31 • (SJ) | | | |
| Week 6 | Day 161 | Investigation #16: Physical and Chemical Weathering Read Pages 70-71 • (TE) • Complete Page S32 • (SJ) | | | |
| | Day 162 | | | | |
| | Day 163 | The Earth Investigations 13-16 Quiz 4 Level 1 Page 51 • Level 2 Page 65 • (LP) | | | |
| | Day 164 | | | | |
| | Day 165 | Investigation #17: Holes in Rocks Read Pages 72-73 • (TE) • Complete Page S33 • (SJ) | | | |
| Week 7 | Day 166 | Investigation #17: Holes in Rocks Read Pages 74-75 • (TE) • Complete Page S34 • (SJ) | | | |
| | Day 167 | | | | |
| | Day 168 | Investigation #18: Holes in Rocks Read Pages 76-77 • (TE) • Complete Page S35 • (SJ) | | | |
| | Day 169 | | | | |
| | Day 170 | Investigation #18: Holes in Rocks Read Pages 78-79 • (TE) • Complete Page S36 • (SJ) | | | |

| Date | Day | Assignment | Due Date | ✓ | Grade |
|--------|---------|--|----------|---|-------|
| Week 8 | Day 171 | Investigation #19: Glaciers Read Pages 80-81 • (TE) • Complete Page S37 • (SJ) | | | |
| | Day 172 | | | | |
| | Day 173 | Investigation #19: Glaciers Read Pages 82-83 • (TE) • Complete Page S38 • (SJ) | | | |
| | Day 174 | | | | |
| | Day 175 | Investigation #20: Toiling in the Soil Read Pages 84-85 • (TE) • Complete Page S39 • (SJ) | | | |
| Week 9 | Day 176 | Investigation #20: Toiling in the Soil Read Pages 86-87 • (TE) • Complete Page S40 • (SJ) | | | |
| | Day 177 | | | | |
| | Day 178 | The Earth Investigations 17-20 Quiz 5 Level 1 Page 53 • Level 2 Page 67 • (LP) | | | |
| | Day 179 | | | | |
| | Day 180 | The Earth Investigations 1-20 Test 1 Level 1 Page 55 • Level 2 Page 69 • (LP) | | | |
| | | Final Grade | | | |

Quizzes and Test
for Use with
Forces & Motion

Testing:

This series is appropriate for both upper elementary and junior high students. Because of this, we have included quizzes and tests in two different levels, which you can choose from based on your child's abilities and understanding of the concepts in the course.

Level 1: suggested for younger ages or those who struggle with application of the concepts beyond just definitions and basic concepts

Level 2: suggested for older ages or those who can both grasp the scientific concepts and apply them consistently

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Choose answers from these terms.**All the terms may not be used and some may be used more than once:**

| | | | | |
|------------------|-----------|--------------------|------------------|--------|
| centimeters | engineer | frame of reference | friction | heat |
| increase | inertia | no | north | reduce |
| rolling friction | scientist | second | sliding friction | south |
| streamlined | time | yes | | |

Fill in the Blank: Each question is worth 5 points.

1. In order to find something's speed, you need to divide the distance by the _____.

2. Does this graph of a runner's speed show that the runner kept on going faster and faster?



3. Suppose a bug's speed is 2 cm/s. This means it can travel 2 _____ per _____.

4. In order to tell how something is moving, you need a _____.

5. A flat boat is moving north at 10 miles per hour. A walking toy on the boat is moving south at 5 miles per hour. Would someone watching the walking toy from the bank of the river see it moving north or south?

6. Is Darwin's idea that all living things evolved from a one-celled organism represented by a forest of trees?

7. What force causes your tennis shoes to wear out?

8. What force helps you to walk without falling down?

9. Friction always produces what form of energy?

10. Ball bearing and roller bearings are used to _____ friction.

11. Is it possible for the same set of facts to be interpreted in more than one way?

12. Many birds have a special shape that lets them fly smoothly through the air with little friction. What is this shape called?

13. Does a force have to be applied to an object to cause it to start moving?

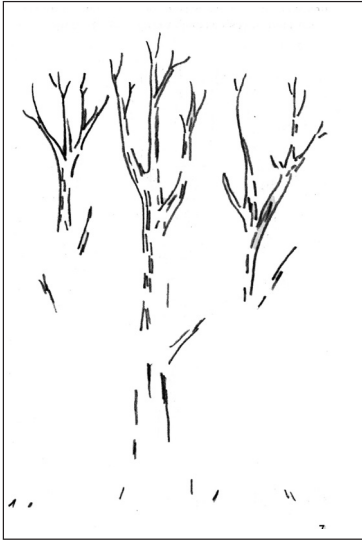
14. Does a force have to be applied to a moving object to cause it to stop moving?

15. Which force is greater if other conditions are the same—rolling friction or sliding friction?

16. Someone who builds rockets and tries to make them faster, cheaper, and safer is called a rocket _____.

Creative Interpretation: Each image is worth 10 points each.

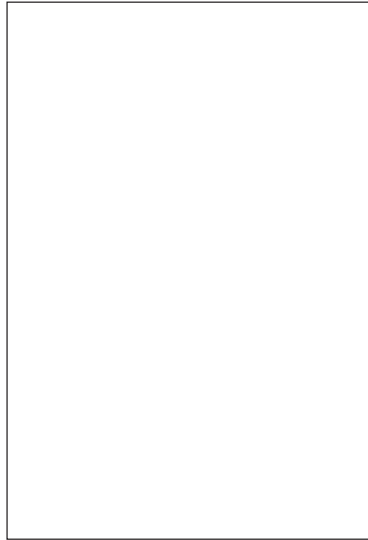
17. Sometimes we have one set of limited facts and can come to different conclusions. Examine the following image and what “remains” of a painting. Then draw two possible reconstructions.



Remains of the original painting



Possible reconstruction #1



Possible reconstruction #2