

## **TEXT BOOK SECTION - PAGES 1 TO 5**

## **TEST BOOKLET SECTION - PAGES 6 TO 8**

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**Science & Living In God's World 5 - Answer Key****ANSWER KEY: Text Book Section****UNIT I - Our Changing Earth****Chapter 1: View from an Airplane****How Well Do You Remember ? page 23**

- A. 1. continents      3. an island      5. rainfall  
 2. land              4. water

**B. Prove true statements.**

1. -  
 2. **There is solid ground under the ocean.**  
 If you were to go to the bottom of the deepest part of the ocean, you would still find solid ground.(p.18)  
 3. **In some places the dry land is below the level of the sea.**  
 There are a few places on earth where dry land is lower than the level of the sea, Holland is an example.(p.19)  
 4. -  
 5. -  
 6. **Forests grow where there is plenty of rainfall.**  
 Wherever forests grow, there is plenty of rainfall as trees require a lot of water.(p.21)  
 7. **Prairies are mountainless regions.**  
 A prairie is a wide, level plain too dry for forests.(p.21)  
 8. **A region in which there is very little rainfall is called a desert.**  
 A desert is a region which is barren and dry because it gets very little rainfall.(p.22)

**Chapter 2: A Closer Look****How Well Do You Remember ? page 33****A. Short Answers.**

1. land: the solid part of the earth's surface  
 2. materials found in soil:  
 dead leaves,  
 roots of last years plants,  
 decaying bodies of animals  
 waste matter from animal bodies  
 bits of sandstone and rock  
 3. humus  
 4. glaciers; water; wind; sand  
 5. water & wind  
 6. As the water flowed down the hillside it took much sand and rocks with it but when the brook leveled out the water was able to settle a little.

**B. Choose the correct ending.**

1. land                      4. changes slowly  
 2. soil                      5. warm, moist climate  
 3. humus

**C. Think it over.**

Student should expound on idea that the climate of Pennsylvania probably has changed since it is a source of many coal mines and coal mines indicate that the area was once a rain forest.

\*                      \*                      \*

**UNIT II - Climate and Weather****Chapter 3: Climate - Here and There****How Well Do You Remember ? pages 53-54****A. Fill in the blanks.**

1. climate                      4. latitude  
 2. in the Tropic of Cancer      5. altitude  
 3. warm

**B. Think it over.**

1. The sun is never directly overhead any place north of the Tropic of Cancer or south of the Tropic of Capricorn. North of the Tropic of Cancer the sun is always a little toward the South and south of the Tropic of Capricorn it is always a little to the North.  
 2. In the winter the ocean is warmer than the land because water holds heat longer. The Gulf Stream is a warm current of water in the Atlantic Ocean which originates in the Gulf of Mexico. This is what affected Mary's cousin's home.

**Chapter 4: All Kinds of Weather****How Well Do You Remember ? pages 70-71****A. Prove true statements.**

1. -  
 2. **Warm air expands.**  
 As the air is heated, it expands. (p. 56)  
 3. **Air can flow more freely than water.**  
 The experiment on page 56 demonstrates this.  
 4. -  
 5. **Warm, moist air rises and is replaced by dry air.**  
 Warm, moist air rises and the heavier cold dry air takes its place.(p.58)  
 6. **Air has weight.**  
 At sea level, the weight of air is 15 pounds per square inch. (p. 57)  
 7. **Air exerts force.**  
 You do not feel the air because it is pressing in all directions. (p. 57)

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8. -

9. -

**10. Fog is a cloud resting on the surface of the earth.**

Sometimes it happens that a cloud rests on the surface of the earth. Then we call the cloud fog. (p. 60)

**B. Matching**

- |      |        |      |
|------|--------|------|
| 1. b | 3. d   | 5. a |
| 2. e | 4. f,c |      |

**C. Fill in the blanks.**

- |                |                     |
|----------------|---------------------|
| 1. water vapor | 8. air              |
| 2. raindrops   | 9. west to east     |
| 3. sleet       | 10. (a) temperature |
| 4. snow flakes | (b) pressure        |
| 5. hail stones | (c) moisture        |
| 6. electricity | (d) direction       |
| 7. lightning   | (e) speed           |

\*                      \*                      \*

**UNIT III - Outside The Earth****Chapter 5: Stars in the Sky****How Well Do You Remember ? pages 84-85****A. Fill in the blanks.**

- |              |                              |
|--------------|------------------------------|
| 1. Pegasus   | 5. Andromeda nebula (galaxy) |
| 2. Andromeda | 4. sun                       |
| 3. camera    |                              |

**B. Short explanations.**

- The moon reflects light from the sun; without the sun we wouldn't have any moonlight. (p. 82)
- The sun warms the earth which warms the air. Warm air rises and as it rises it condenses and forms clouds. Rain and snow fall from clouds. (p. 82)
- Electricity is made by machines called generators. Generators are turned by means of water/ steam power. If the sun didn't shine there would be a shortage of water - see no.2. (p. 82)
- Plants need sunlight, heat, and water - all of which come either directly or indirectly from the sun. (p. 82)

**C. Explain true statements.****1. We get light and heat from the sun.**

The sun is a medium sized star. Like all stars, the sun is made of very hot gases. Because they are so hot, these gases give off light and heat. (p. 81)

2. -

3. -

**4. If the sun stopped shining, the oceans would freeze.**

The cold would be so intense that all the rivers and lakes, even the oceans, would freeze. (p. 82)

**5. No life could exist on earth without the light and heat of the sun.**

Nothing would be able to grow, there would be no electricity and the temperatures would be too cold. All the water would be frozen. (p. 82)

**Chapter 6: Mirror in the Sky****How Well Do You Remember ? pages 91-92****A. Multiple Choice.**

- (a) sun
- (b) from that object to our eyes
- (b) causing tides so that the ships can dock in a river.
- (c) the pull of the moon piles up water

**B. True or False ?**

- |          |          |
|----------|----------|
| 1. false | 5. true  |
| 2. true  | 6. true  |
| 3. false | 7. false |
| 4. false | 8. true  |

\*                      \*                      \*

**UNIT IV - The Green Earth****Chapter 7: How Plants Grow****How Well Do You Remember ? pages 118-119****A. Short answers.**

- People sometimes start garden plants in boxes because this way they don't have to wait until its warm enough to plant them outside and the plants have a headstart.
- A baby plant.
- Very small plants use the food stores in the seed pod to start growing.
- Sugar and starch are manufactured in the leaf of a plant.
- (1) carbon dioxide  
(2) water  
(3) minerals
- A bulb is a thick clump of leaves surrounding a small stem from which a new plant may grow.
- The potato is an enlarged underground stem in which last years plant stored food. Potatoes have "eyes" which are really buds; new plants grow from the eyes of potatoes.
- It is safe to place a plant grown from a cutting in sunlight after the roots have begun to grow.
- A perennial is a plant whose roots live through winter and send up new shoots in the spring.
- (a) ferns                      (b) mushrooms