

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

**PROJECT IS WORTH Full points only if TURNED IN ON TIME, COLORFUL AND CORRECT.**

**Drawings must have detail, not just a quick outline.**

1. \_\_\_ a. Cover must be decorative and catches the attention of others  
 \_\_\_ b. Draw any 2 pictures relating to the Ocean Chapter  
 \_\_\_ c. Write the Standard that goes with Oceans  
**S6E63a. Explain that a large portion of the Earth’s surface is water, consisting of oceans, rivers, lakes and underground water, and ice.**

**2. OCEAN MOTION – Vocabulary words for chapter 18**

Write the word and the definition from the text not the index!

YOU MUST ILLUSTRATE THE WORDS

- \_\_\_ 1. basin
- \_\_\_ 2. salinity
- \_\_\_ 3. surface current
- \_\_\_ 4. Coriolis effect

**3. OCEAN MOTION – Vocabulary words for chapter 18**

- \_\_\_ 5. upwelling
- \_\_\_ 6. density current
- \_\_\_ 7. wave
- \_\_\_ 8. Crest

**4. OCEAN MOTION – Vocabulary words for chapter 18**

- \_\_\_ 9. trough
- \_\_\_ 10. breaker
- \_\_\_ 11. tide
- \_\_\_ 12. tidal range

**5. Importance of Oceans (copy statements and fill in the blanks)**

- \_\_\_ a. The ocean affects a person’s life by \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- \_\_\_ b. Two examples of food resources from the ocean are \_\_\_\_\_ and \_\_\_\_\_.
- \_\_\_ c. Two examples of energy resources from the ocean are \_\_\_\_\_ and \_\_\_\_\_.
- \_\_\_ d. Two examples of mineral resources from the ocean are \_\_\_\_\_ and \_\_\_\_\_.

**BONUS** \_\_\_ e. Draw at least 2 pictures that represent two of the above examples (total of 4 pictures).

**6. Origin and Composition of Oceans**

- \_\_\_ a. Explain how Oceans formed. Tell the three stages of the scientist’s hypothesis.
- \_\_\_ b. Ocean water contains dissolved gases such as: \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- \_\_\_ c. Oxygen enters the ocean in 2 ways \_\_\_\_\_ and \_\_\_\_\_.
- \_\_\_ d. Carbon Dioxide enters from \_\_\_\_\_ and \_\_\_\_\_.
- \_\_\_ e. The salt in the ocean comes from \_\_\_\_\_, which are carried by rivers to the oceans.
- \_\_\_ f. \_\_\_\_\_ adds others ions as well.

**BONUS** \_\_\_ g. Draw and label the pie chart on page 516.

<b>OCEANS</b>	
By: _____	
Chapter 18	S6E3a
Explain that a large portion of the Earth’s surface is water, consisting of oceans, rivers, lakes and underground water, and ice.	
1.	
2. Vocabulary Words	
3. Vocabulary Words continued	
4. Vocabulary Words continued	
5. Importance of Oceans	
6. Origin and Composition of Oceans	
7. Ocean and Surface Currents	
8. Ocean and Density Currents	
9. Ocean Waves	
10. Tides	

## 7. OCEAN & SURFACE CURRENTS

- \_\_\_ a. \_\_\_\_\_ powers surface currents. It forces the ocean to move in \_\_\_\_\_ patterns.
- \_\_\_ b. Surface currents move \_\_\_\_\_ meters of seawater.
- \_\_\_ c. Winds in the northern hemisphere curve to the \_\_\_\_\_ and winds in the southern hemisphere curve to the \_\_\_\_\_
- \_\_\_ d. \_\_\_\_\_ causes the curve pattern of the winds
- \_\_\_ e. Why are some arrows on surface current maps blue and others red? Explain

*BONUS* \_\_\_ f. \_\_\_\_\_ current comes closest to Georgia. Write a small statement of what this current does for the climate of Georgia and how this current helps ocean transportation.

## 8. OCEAN DENSITY CURRENTS

- \_\_\_ a. Wind blows water \_\_\_\_\_ to the coast and carries water \_\_\_\_\_ from land because of the \_\_\_\_\_ . \_\_\_\_\_ rises to the surface and replaces water that has moved. Upwelling brings \_\_\_\_\_ to the coastal areas which attracts \_\_\_\_\_.
- \_\_\_ b. Density currents happen because of \_\_\_\_\_.
- \_\_\_ c. What makes seawater become more dense? \_\_\_\_\_.

*BONUS* \_\_\_ d. Draw the Illustration on Upwelling on page 521.

## 9. OCEAN Waves

- \_\_\_ a. Waves look like \_\_\_\_\_ and \_\_\_\_\_.

---OR---

- \_\_\_ a. Illustrate a wave and label the parts
- \_\_\_ b Wave length is \_\_\_\_\_.
- \_\_\_ c. Wave height is \_\_\_\_\_.
- \_\_\_ d. Explain how a water molecules in a wave moves

---OR---

- \_\_\_ d. draw an illustration of how water molecules move.
- \_\_\_ e. Waves form when \_\_\_\_\_.
- \_\_\_ f. \_\_\_\_\_ factors affect the height of waves.

## 10. Tides

- \_\_\_ a. Tides are caused by the \_\_\_\_\_ of \_\_\_\_\_ in the \_\_\_\_\_ - \_\_\_\_\_ system.
- \_\_\_ b. The \_\_\_\_\_ gravity exerts a \_\_\_\_\_ on Earth.
- \_\_\_ c. NEAP tides make the water level \_\_\_\_\_
- \_\_\_ d. SPRING tides make the water level \_\_\_\_\_.

*BONUS* \_\_\_ e. Draw the Spring tides and the Neap tides illustration. BE SURE TO LABEL the positions of the EARTH, MOON and SUN