

Name \_\_\_\_\_

Date \_\_\_\_\_

## Earth Science

### Activity Packet #19

**Directions:** Complete the activities listed below. Neatly staple all answer sheets to this package. Be sure your name, date, class, and assignment are neatly written in the top right corner of each paper

1. Chapter 19
  - a. Section Review 1 p 547
  - b. Section Review 2 p 556
  - c. Section Review 3 p 561
  - d. Chapter 19 X-Word Puzzle (attached)
  - e. Chapter Review pp 566-567, numbers 1-22
  - f. Standardized Test Practice pp 568-569, numbers 1-13
  - g. Complete one or the other of the two activities listed below:

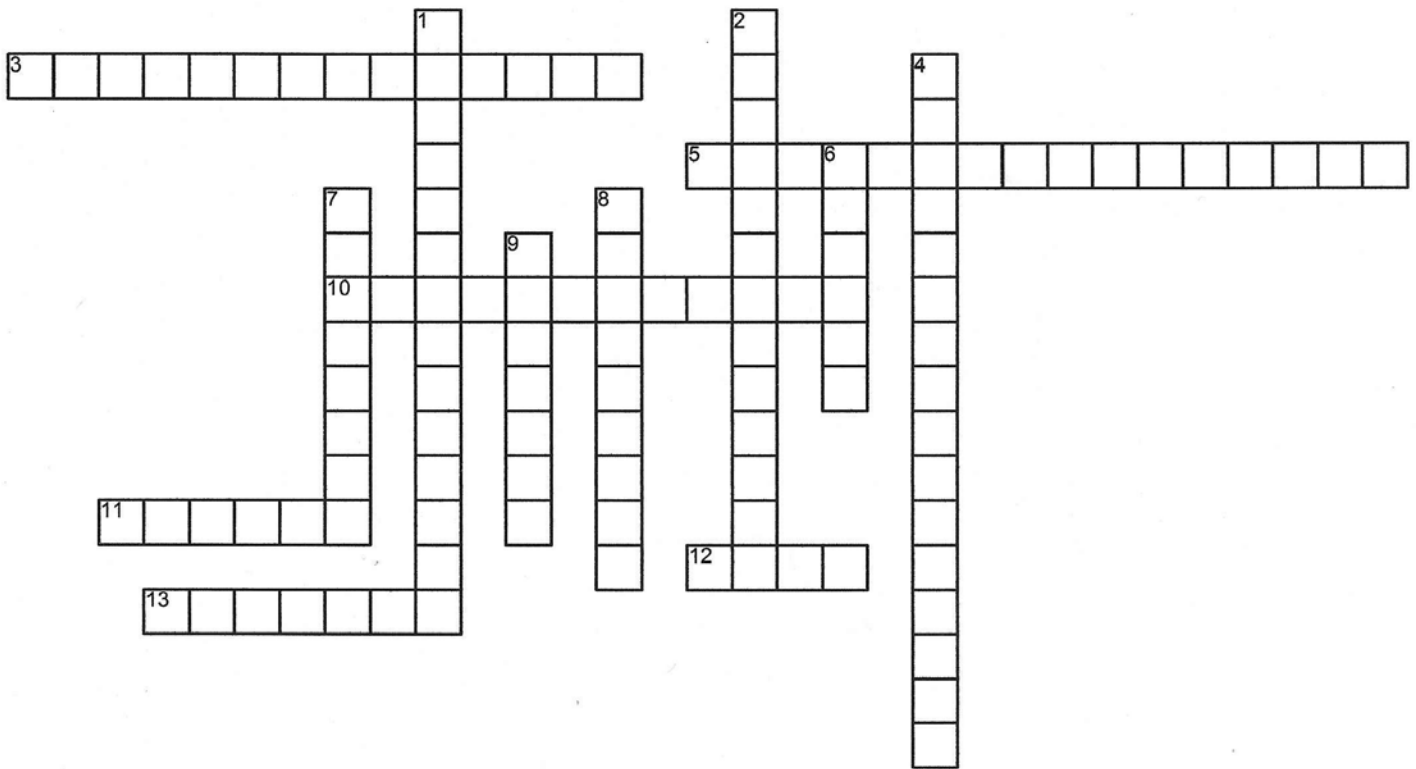
#### **OPTION A**

Use internet resources to research the Great Pacific Garbage Patch. Answer the following questions: What is it? How big is it? Where did it come from? What are the environmental problems associated with it. Create a poster that summarizes your findings.

#### **OPTION B**

Use your textbook, library and internet resources to investigate the features present on the ocean bottom. Create a diagram that shows these features.

## Chapter 19 X-Word



### Across

3. the food making process using light energy from the Sun, carbon dioxide and water
5. the edge of the continents covered by the ocean
10. the flat sea floor area from about 4,000-6,000 meters below the ocean surface
11. strong swimming marine organisms
12. rigid, wave-resistant, ocean margin habitat built by the calcium skeletons of corals
13. marine plants and animals that live on or in the sea floor

### Down

1. food-making process using sulfur and nitrogen compounds, rather than light energy from the Sun, it is used by bacteria living near hydrothermal vents
2. area where new sea floor is formed when lava erupts through a spreading boundary between crustal plates
4. the part of the ocean basin that dips steeply from the continental shelf to the abyssal plain
6. a long, narrow, steep-sided depression in the sea floor formed where one crustal plate sinks beneath the other
7. weak swimming organisms that inhabit freshwater and marine ecosystems.
8. the introduction of pollutants into the environment that can damage living organisms
9. an area where fresh water and salt water meet that supports an abundant diversity of life and serves as a nursery for many species.