

Name _____

Date _____

Earth Science

Activity Packet #16

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 16

- a. Section Review 1 p 461
- b. Section Review 2 p 469
- c. Section Review 3 p 472
- d. Chapter 16 X-Word Puzzle (attached)
- e. Chapter Review pp 478-479, numbers 1-29
- f. Standardized Test Practice pp 480-481, numbers 1-21
- g. Complete one or the other of the activities listed below:

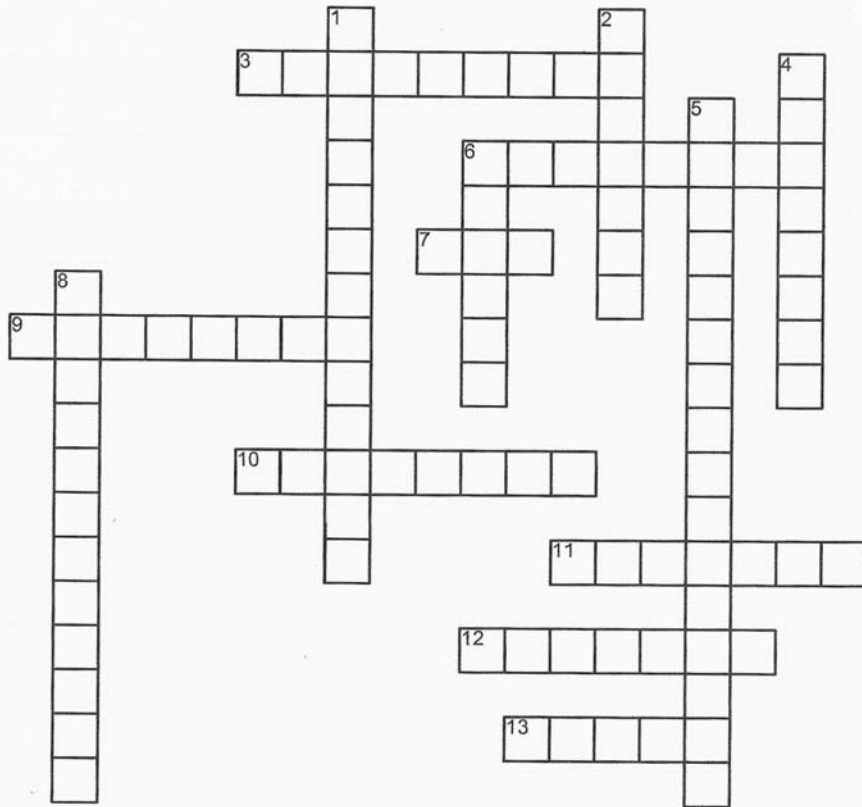
OPTION A

Use your textbook, library and internet resources to research the composition of the different types of clouds and the type of weather each is associated with. Create a poster that illustrates your findings.

OPTION B

Complete the Reading a Weather Map Activity on page 473 of your textbook. **NOTE: You will need to refer to Figure 19 on page 472 and the Weather Map Symbols reference chart on page 800.**

Chapter 16 X-Word



Across

3. a large, severe storm that forms over tropical oceans, has winds of at least 120 km/h, and loses power when it reaches land
6. line drawn on a weather map that connects points having equal temperature
7. a stratus cloud that forms when air is cooled to its dew point near the ground
9. the temperature at which air is saturated and dew forms
10. a winter storm that lasts at least 3 hours with temperatures of -12 degrees C or lower and winds of at least 51 km/h
11. a large body of air that has the same characteristics of temperature and humidity as the part of the Earth's surface over which it formed
12. a violent, whirling windstorm that crosses land in a narrow path and can result from wind shears inside a thunderhead
13. a boundary between two air masses with different temperatures, density, or moisture; can be cold, warm, occluded, and stationary

Down

1. water falling from clouds; includes rain, snow, sleet and hail
2. the state of the atmosphere at a specific time and place; determined by factors including air pressure, humidity, temperature, wind, and precipitation
4. the amount of water vapor in the air
5. a measure of the amount of moisture held in the air compared with the amount of it can hold at a given temperature
6. line drawn on weather map that connects points having equal atmospheric pressure; also indicate location of high- and low-pressure areas and can show wind speed
8. scientist who studies weather to make weather predictions and forecasts