

Sample Lesson #3

1. Objects absorb thermal energy and change temperature, but some substances change temperature more quickly than others. The ability to change temperature quickly or to resist change is called the object's _____.

- A) specific heat
- B) thermal capacity
- C) potential energy

2. The biome located between fresh water and the ocean, which serves as an important breeding ground for some fish, is called a(n) _____.

pond river estuary

3. Classify each of the following types of energy as *renewable* (R) or *nonrenewable* (N).

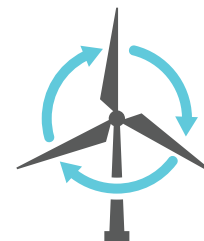
_____ petroleum

_____ natural gas

_____ hydropower

_____ nuclear

_____ geothermal



4. Use the words below to complete the following statements about photosynthesis.

sunlight stoma roots chlorophyll

Carbon dioxide enters a plant's leaves through the _____.

Water enters the plant through the _____.

Carbon dioxide and water react using _____ to form sugar and oxygen.

The chloroplasts in plants contain a special pigment called _____ which is used during photosynthesis.

5. Give the proper term for each of the following changes in state. Write freezing, sublimation, condensation, evaporation, melting, or deposition.

liquid to solid _____

solid directly to gas _____

gas to liquid _____

6. Are the changes described in item 5 physical changes or chemical changes?

chemical

physical

7. Which of the following is not a method which helps fish to float?

A) a swim bladder

C) swallowed air

B) motion

D) a fatty liver

8. Complete the following chart describing vertebrates. (See Lessons #79 – 87 for help.)

Type of Vertebrate	Habitat	How Do They Breathe?	Type of Reproduction
	always aquatic	gills	
amphibians			jelly-like eggs
	mostly terrestrial	lungs	
birds			
	mostly terrestrial	lungs	live birth

9. Complete the following chart about plants. (See Lessons #61 and #62 for help.)

Type of Plant	Does it have veins for support?	Does it produce seeds?	Does it produce flowers?	Example
	no		no	moss
seedless				fern
gymnosperm				pine tree
angiosperm	yes	yes	yes	apple tree