

*Important Concepts . . .*

# Preview Review



**Science**

**Grade 7**

**W1 - Quiz**

## Important Concepts of Grade 7 Science

W1 - Lesson 1 .....	Interactions and Interdependencies
W1 - Lesson 2 .....	Nutrient Cycles, Energy Flows, and Changes in Ecosystems
W1 - Lesson 3A .....	Environmental Impacts of Human Activities
W1 - Lesson 3B .....	The Particle Model of Matter, Temperature, Heat, and Change of State
W1 - Lesson 4 .....	Heat Transfer
W1 - Lesson 5 .....	Understanding Heat and Temperature in Nature and Technology
W1 - Quiz .....	
W2 - Lesson 1 .....	Life Processes and Structure of Plants
W2 - Lesson 2 .....	Plant Propagation and Reproduction
W2 - Lesson 3 .....	Plant Needs and Growing Conditions
W2 - Lesson 4 .....	Role of Plants and Controlling Plant Growth
W2 - Lesson 5 .....	Review of Plant Management
W2 - Quiz .....	
W3 - Lesson 1 .....	Forces on and within Structures
W3 - Lesson 2 .....	Structural Forms
W3 - Lesson 3A .....	Materials Used in Structures
W3 - Lesson 3B .....	Rocks, Weathering, and Erosion - The Rock Cycle
W3 - Lesson 4 .....	Plate Tectonics and Related Events
W3 - Lesson 5 .....	Fossils
W3 - Quiz .....	

## Materials Required.

Textbook:  
*Science in Action 7*

Science Grade 7  
Version 5  
Preview/Review W1 - Quiz

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# Preview/Review Concepts for Grade Seven Science



*W1 - Quiz*



# W1 - Quiz

Total \_\_\_ / 38

1. List three characteristics of all living organisms. (3 marks)

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2. Use words from the following list to finish the sentences correctly. (7 marks)

- herbivore
- abiotic
- community
- parasitism
- mutualism
- producer
- species

- a. An example of \_\_\_\_\_ is a tapeworm living in the intestine of a wolf.
- b. A deer is classified as a \_\_\_\_\_.
- c. All the organisms living and interrelating in an area make up a \_\_\_\_\_.
- d. A tree is called a \_\_\_\_\_.
- e. \_\_\_\_\_ factors such as water and air are important to living organisms.
- f. The relationship of two organisms living in close contact with both organisms benefitting from the relationship, is called \_\_\_\_\_.
- g. Robins and mallards are two separate \_\_\_\_\_ of birds.

3. Explain what a bioinvading organism is. Then explain some of the problems it can cause. (4 marks)

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4. Draw a 4-member food chain. Include a decomposer. (4 marks)

5. Name one pioneer species you might expect to see in a disturbed field. (1 mark)

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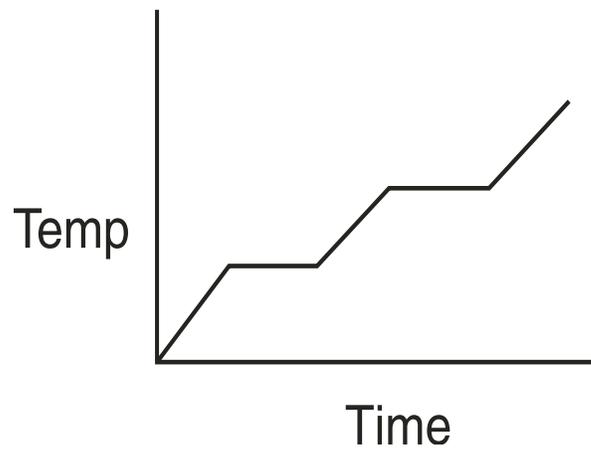
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6. What are two characteristics of all liquids? (2 marks)

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7. On the following time-temperature graph, circle the phase changes. (2 marks)



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8. In which state of matter does conduction of heat work best ? (1 mark)

\_\_\_\_\_

9. List two of the main points in the Particle Theory of Matter. (2 marks)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. Use the following terms to complete the sentences. (6 marks)

condensation	temperature	heat
thermostat	evaporation	thermometer

- a. A type of technology used to determine the temperature of a substance is a \_\_\_\_\_.
- b. \_\_\_\_\_ is the change from a gas to a liquid.
- c. Energy transferred from where there is more kinetic energy to where there is less is called \_\_\_\_\_.
- d. \_\_\_\_\_ is a measure of how hot or cold something is.
- e. The change from a liquid to a gas is called \_\_\_\_\_.
- f. A technological device used to control the temperature of something is a \_\_\_\_\_.

11. What are four features you would include in an energy efficient solar home? (4 marks)

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12. Imagine you have two types of insulation to choose from. They cost the same amount, but type A has an RSI value of 0.24; type B has an RSI value of 0.35. Which would you choose and why? (2 marks)

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