

Important Concepts . . .

Preview Review



Science

Grade 8

W3 - Quiz

Important Concepts of Grade 8 Science

Materials Required

W1 - Lesson 1	Mass, Volume, and Density
W1 - Lesson 2	Solubility and Saturation Points
W1 - Lesson 3A.....	Viscosity, Flow Rate, and Buoyancy
W1 - Lesson 3B.....	Simple Machines
W1 - Lesson 4	Gears, Mechanical Advantage, Speed Ratios, and Efficiency
W1 - Lesson 5	Hydraulics and Pneumatics
W1- Quiz	
W2 - Lesson 1	The Role of Cells within Living Things, Cells-Tissue-Organ System
W2 - Lesson 2	The Microscope
W2 - Lesson 3	Body Systems Part 1
W2 - Lesson 4	Body Systems Part 2
W2 - Lesson 5	Problems Associated with Body Systems
W2 - Quiz	
W3 - Lesson 1	Transmission and Absorption of Light
W3 - Lesson 2	Reflection and Refraction of Light
W3 - Lesson 3A.....	Vision and Lenses
W3 - Lesson 3B..	Water in its Various States Affects Earth's Landforms and Climate
W3 - Lesson 4	Adaptations to Aquatic Ecosystems
W3 - Lesson 5	Water Quality
W3 - Quiz	

Textbook:
*Science in
Action 8*

Science Grade 8
Version 5
Preview/Review W3 - Quiz

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Preview/Review Concepts for Grade Eight Science



W3 - Quiz

W3 - Quiz

Total _____ /24

Part I: Fill In The Blanks

Use terms from the following list to complete the sentences. Not all terms will be used.
(9 marks)

chemical weathering	retina	opaque	effluent
transparent	colours	rods	cones
physical weathering	translucent	turbidity	cornea
convex	concave	iris	

1. Materials that allow easy transmission of light through them are said to be _____.
2. Frost wedging is a type of _____.
3. Colour-sensitive cells at the back of the eye are called _____.
4. Liquids released from sewage treatment plants or factories are called _____.
5. When we discuss how clear or cloudy water is, we are discussing its _____.
6. The coloured part at the front of the eyeball is called the _____.
7. Acid rain causes _____.
8. Cement is considered _____ because it does not allow light to pass through.
9. A nearsighted person requires a _____ lens to correct her vision.

Part II: Short Answer

1. How can flow rate affect water quality? (2 marks)

2. What is the problem with phosphates getting into a waterway? (2 marks)

3. Why does the ocean support a great diversity of living things? (1 mark)

4. List two factors that can cause aquatic organisms to develop adaptations. (2 marks)

5. What causes tides? (2 marks)

6. Draw a sketch and describe the shape of a concave lens. (2 marks)

7. If light hits a material at a 32° angle of incidence, what will be the angle of reflection? (1 mark)

8. In general terms, how do glaciers change the landscape? (3 marks)
