

## Science 6 – Semester 2 Study Guide

The emphasis on this exam will be on rocks, minerals, the rock cycle, and, physical & chemical changes, density, and renewable vs. nonrenewable resources. Vocabulary from the *Animals* textbook will also be covered. See the Vocabulary List below

Format: Same as most tests: vocabulary (Fill-in), multiple choice, and extended response.

### Vocabulary List - *Animals*

adaptation	endoskeleton	invertebrate	sexual reproduction
asexual reproduction	endotherm	metamorphosis	species
atrium	exoskeleton	omnivore	ventricle
autotroph	herbivore	organ	vertebrae
carnivore	heterotroph	placenta	vetrebrate
ectotherm			

### Vocabulary List – *Inside Earth*

cementation	depsotion	inorganic	sediment
compaction	element	metamorphic rock	sedimentary rock
compound	erosion	mineral	solution
crystal	igneous rock	rock cycle	

Questions to prepare for Multiple Choice/Extended Response – Answer on a separate sheet of paper

- 1) What are the characteristics of a mineral?
- 2) Name ways in which minerals are identified.
- 3) Name and describe the properties of minerals.
- 4) List and describe the processes by which minerals form
- 5) What characteristics are used to identify rocks?
- 6) Name and describe the three major groups of rocks.
- 7) Know the steps and pathways of the rock cycle. Draw a diagram showing all the steps and possible pathways
- 8) What is a physical change? What are ways we can identify a physical change? Name some examples of common physical

changes.

- 9) What is a chemical change? What are ways we can identify a chemical change? Name some examples of common chemical changes.
- 10) Explain how it is that two containers of the same volume can have different masses if filled with different substances?
- 11) What are fossil fuels? Why are they considered non-renewable?
- 12) What does it mean for a resource to be renewable? List examples of renewable resources.
- 13) Make a table listing major renewable and non-renewable resources, and list advantages and disadvantages of each. Example of column headings below:

Resource	Renewable or Non-renewable?	Advantage(s)	Disadvantage(s)
----------	-----------------------------	--------------	-----------------