Name Class Date

STUDY GUIDE

Ch. 2 Minerals and Rocks

**Ch. 2.1**

1) What is the hardest known mineral?

**Ch. 2.3 Igneous Rocks**

2) What are the three classifications for igneous rock?

3) What is the basis for each classification? Origin:

 Texture:

 Composition:

4) What is the most abundant extrusive igneous rock?

5) What is the most abundant intrusive igneous rock?

6) Which igneous rock is commonly used for building materials?

7) Relate speed of rock cooling to grain size: a)

 b)

**Ch. 2.4 Sedimentary Rock**

9) Sequence the processes that form sedimentary rock (include brief description):

 1)

 2)

 3)

 4)

 5)

10) What are the three classifications for sedimentary rocks:

11) What does it mean to refer to certain sedimentary rocks as “organic”?

**Ch. 2.5 Metamorphic Rock**

12) Metamorphic rock is any rock that forms from another rock due to

and/or .

13) What are the two classifications of metamorphic rock?

**Ch. 2.6 Rock Cycle**

14) Understand diagram on p. 64. A similar one will be provided on the test. Be able to explain pathways as to how one rock can change into another rock.

**Short Essay**

15) Explain why metamorphic rock rarely forms at Earth’s surface. Include two places where it generally forms and why it forms in these two places.

16) Explain how the movement of Earth’s tectonic plates play a role in the rock cycle.