

Tahnoon bin Mohammed School  
**GRADE 7 SCIENCE WORKSHEET** مجلة مدرسية

The Cycling of Earth's Materials: Types of Rocks دورة مواد الأرض: أنواع الصخور

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_\_

★ LEVEL 3: ADVANCED ★

**A True or False. Write T for True or F for False.**

- \_\_\_\_\_ Intrusive igneous rocks cool slowly beneath the surface.
- \_\_\_\_\_ All sedimentary rocks contain fossils.
- \_\_\_\_\_ Metamorphic rocks can have bands or layers.
- \_\_\_\_\_ Basalt forms from lava that cools quickly on the surface.
- \_\_\_\_\_ Marble starts as limestone that changes from heat and pressure.



**B Multiple Choice. Circle the best answer.**

- Which rock is most likely to form in a hot, high-pressure area deep in the Earth?  
 a) Sandstone    b) Marble    c) Basalt    d) Shale
- Which statement is true about metamorphic rocks?  
 a) They are always smooth and shiny.  
 b) They are made from melted lava.  
 c) They are changed by heat and pressure.  
 d) They always contain fossils.
- Which of the following is a clastic sedimentary rock?  
 a) Coal    b) Limestone    c) Sandstone    d) Rock Salt



**C Fill in the blanks.**

- The rock cycle is the continuous process where rocks change from one form to another through \_\_\_\_\_, \_\_\_\_\_, and \_\_\_\_\_.
- Weathering and \_\_\_\_\_ break rocks into small pieces called sediments.
- \_\_\_\_\_ and compaction turn sediments into sedimentary rocks.
- When sedimentary or igneous rocks are buried deep underground, heat and pressure can change them into \_\_\_\_\_ rocks.



**D Short Answer.**

- How can you tell the difference between an igneous rock and a sedimentary rock?  
 \_\_\_\_\_  
 \_\_\_\_\_
- Why is the rock cycle important for our planet?  
 \_\_\_\_\_  
 \_\_\_\_\_



**E Self-Reflection / التأمل الذاتي**

- Today I learned: \_\_\_\_\_
- The easiest part for me was: \_\_\_\_\_
- I still need help with: \_\_\_\_\_

Rate yourself: How well do you understand this lesson?



I understand the lesson very well



I understand some of it



I need more practice

★ **Explore!** Look around you. Can you find examples of each type of rock in your home, school, or outside?



Igneous: \_\_\_\_\_



Sedimentary: \_\_\_\_\_