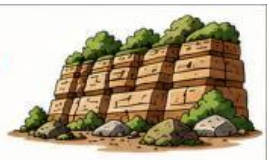
Tahnoon bin Mohammed School

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.

1. _____ Intrusive igneous rocks cool slowly beneath the surface.
2. _____ All sedimentary rocks contain fossils.
3. _____ Metamorphic rocks can have bands or layers.
4. _____ Basalt forms from lava that cools quickly on the surface.
5. _____ Marble starts as limestone that changes from heat and pressure.

B Multiple Choice. Circle the best answer.

1. 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
2. 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.
3. Which of the following is a clastic sedimentary rock?
   a) Coal b) Limestone c) Sandstone d) Rock Salt

C Fill in the blanks.

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

D Short Answer.

1. How can you tell the difference between an igneous rock and a sedimentary rock?
   _____
   _____
2. Why is the rock cycle important for our planet?
   _____
   _____

E Self-Reflection / التأمل الذاتي

1. Today I learned: _____
2. The easiest part for me was: _____
3. 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: _____

Metamorphic: _____

LIVEWORKSHEETS