



**1**

**What visible evidence can  
you find on a rock to  
prove it is sedimentary?**

**It has layers**  
**Bonus answer: It**  
**contains fossils**

**2.**

**When igneous rock is weathered and eroded, what type of rock is it most likely to become next?**

**Sedimentary**



3.

**Rocks made of  
tiny fragments of  
other rocks are  
called?**

**Sedimentary**

4.

**An igneous rock  
that is changed by  
extreme heat and  
pressure becomes  
\_\_\_\_\_?**

**Metamorphic**

5.

**What are the characteristics of metamorphic rock?**

- **Contains visible chunks of other rock**
- **Forms by heat and pressure, usually underground**
  - **Very hard rocks**



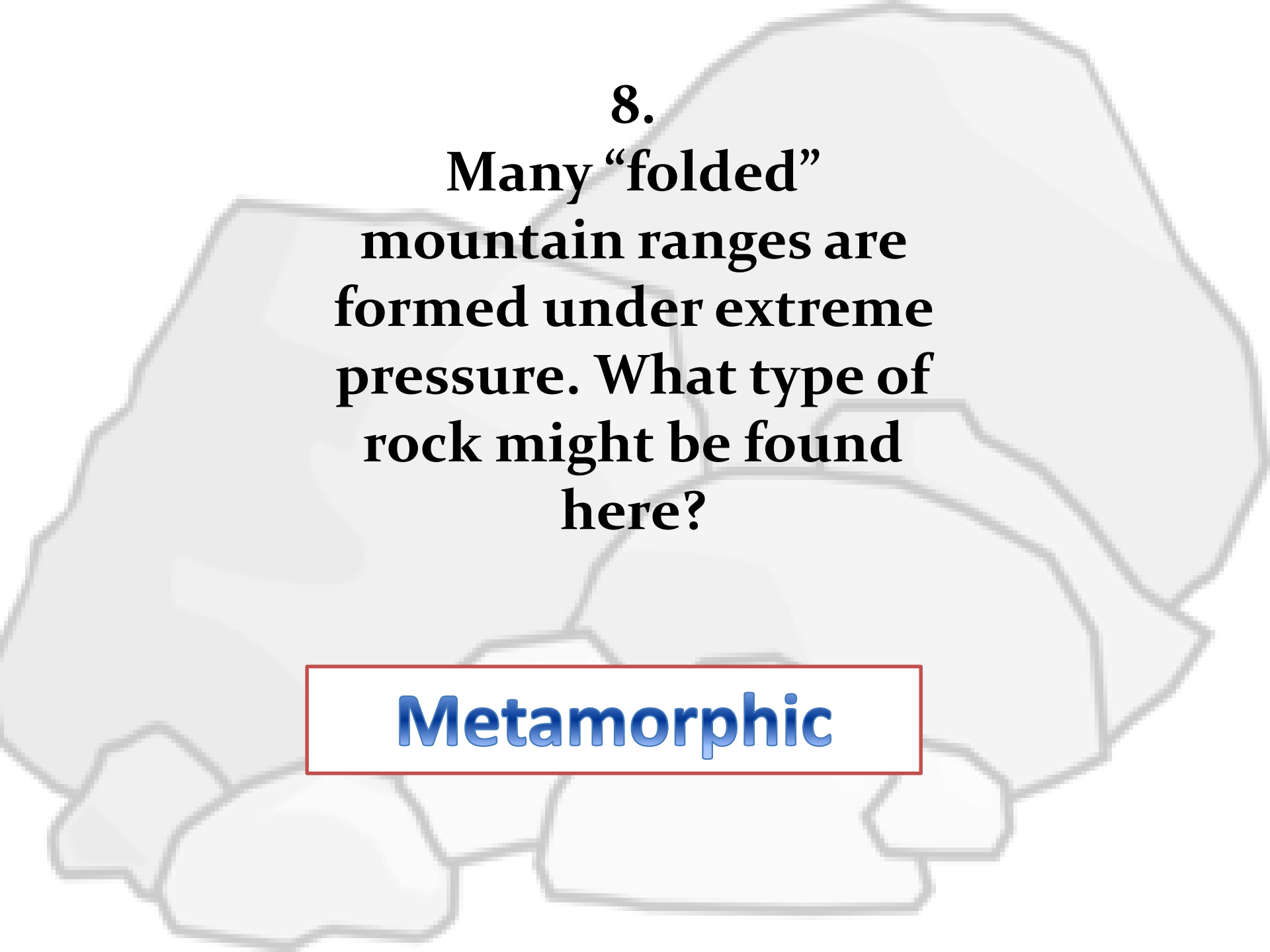
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7.

**In the rock cycle,  
which rocks may be  
weathered to become  
sediment and  
eventually  
sedimentary rock?**

**Metamorphic,  
Sedimentary, and  
Igneous**



**8.**  
**Many “folded”  
mountain ranges are  
formed under extreme  
pressure. What type of  
rock might be found  
here?**

**Metamorphic**



9.  
What are the  
characteristics of  
sedimentary rock?

- **Has Layers**
- **Made of small particles called sediment**
  - **The softest rock type**



**10.**

**Rocks are changed  
into molten  
material by\_\_\_\_\_.**

**Melting**

**11.**

**When volcanoes erupt, the liquefied rock that is expelled is called \_\_\_?**

**Lava (molten rock above ground)**



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13.

**What three factors  
cause the Rock Cycle  
to continue  
happening?**

**Solar Energy (sun),  
Geothermal Energy,  
and Gravity**

14.

**Igneous rock  
transforms into  
metamorphic  
rock by \_\_\_\_\_?**

**Heat and Pressure**

15.

**What is the difference between physical weathering and mechanical weathering?**

**Physical: Breaking of rocks into smaller bits.**

**Chemical: Changes to molecular structure that cause rocks to deteriorate.**

**16.**

**What type of rock is formed by weathering, erosion, deposition, and lithification?**

**Sedimentary**



17.

**Igneous rock that  
forms  
underground is  
called \_\_\_\_\_?**

**Intrusive Igneous Rock**

**18.**

**Name two  
processes that  
cause chemical  
weathering of  
rocks.**

**Answers may vary but can  
include hydrolysis, oxidation,  
and dissolution**

19.

The process of  
pressing sediments  
together is called  
\_\_\_\_\_?

**Compaction**

**20.**

**What type of  
rock is formed  
by heat and  
pressure?**

**Metamorphic**

21.

**When magma  
cools, what type  
of rock does it  
become?**

**Igneous**



22.

Rocks are broken  
down into smaller  
particles due to \_\_\_\_\_.

**Physical and  
Mechanical  
Weathering**



23.

**Name the three  
types of rock.**

**Metamorphic  
Sedimentary  
Igneous**



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25.

Igneous rock that  
forms  
underground is  
called \_\_\_\_\_?

Extrusive Igneous  
Rock

**26.**

**Name two types of  
mechanical  
weathering.**

**Answers may Vary but can  
include: ice wedging, plant  
wedging, abrasion, and  
thermal expansion,**

**27.**

**What factor allows  
us to categorize  
rocks into the three  
rock types?**

**How the rocks are  
formed**



28.

**Who is the founder of  
the rock cycle?**

**James Hutton**



**29.**

**In order for  
metamorphic rock to  
become igneous rock,  
what must happen?**

**It must melt and  
cool**



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31.

**What type of  
rock is formed  
by volcanic  
activity?**

**Igneous**

32.

**Rocks formed by  
cementing and  
compacting are  
called \_\_\_?**

**Sedimentary**



33.

What are the characteristics of igneous rock?

- **Formed from the melting and cooling of preexisting rocks.**
- **Appears shiny or glassy (Extrusive)**
- **Rough/coarse texture (Intrusive)**
  - **Has Bubbles**

34.

**Metamorphic  
rock transforms  
to igneous rock  
by \_\_\_\_\_?**

**Melting and Cooling**



**35.**  
**Rocks made of  
layers are what  
type?**

**Sedimentary**

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