

Earth and Space- 5.7A(R), 5.7B(R), 5.7D(S), 5.8A(S), 5.8B(S), 5.8D(S)

Name \_\_\_\_\_

1. The table below shows a sequence of events that lead to the formation of sedimentary rock. Which two processes best completes this diagram?

Steps	Process
1	Weather and Erosion <i>Break move</i>
2	Transportation
3	Deposition <i>drop</i>
4	?

- (A) cooling and melting *does not change to liquid*
- (B) weathering and deposition *Break drop already in chart*
- (C) compression and weathering *saveeze break already broken*
- (D) compression and compaction *saveeze pack down*

2. Pictured below is a glacier moving down a mountain. Which of the following most likely formed by a moving glacier?



- (F) weathers down a mountain range
- (G) U shaped valley
- (H) ocean → iceberg
- (J) river *moving ice, not water*

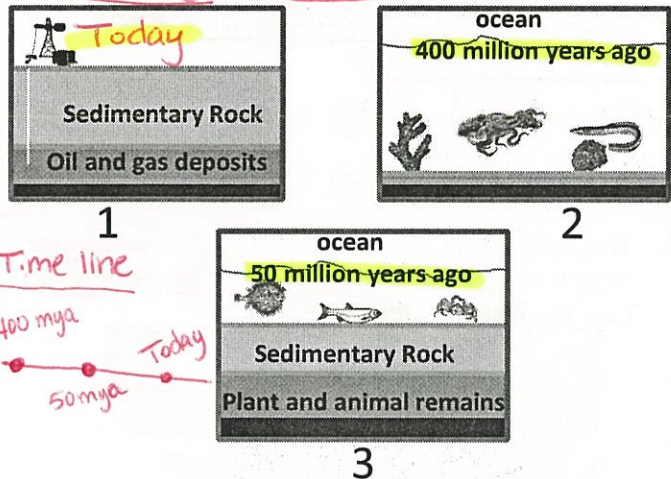
3. Which of these best describes weather?

- (A) average annual temperatures are over 64°F
- (B) annual precipitation is greater than 150 cm
- (C) warm, dry summers and cool, wet winters
- (D) a severe thunderstorm watch in the area

4. Which of these best describes the Sun's role in the water cycle?

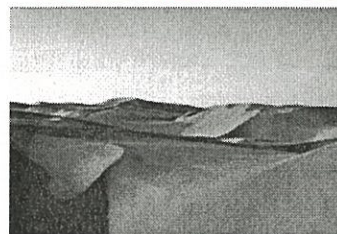
- (F) The Sun produces precipitation for the water cycle. *makes rain, snow, sleet, hail*
- (G) The Sun produces heat energy which causes evaporation for the water cycle. *makes heat*
- (H) The Sun produces runoff for the water cycle. *makes water go down*
- (J) The Sun produces heat energy which causes the salt in ocean water to dissolve. *makes heat*

5. The pictures below show the formation of petroleum. Petroleum is a type of fossil fuel that is formed from organic matter in the ocean. Which of the following is the correct order of the formation of the fossil fuel petroleum?



- (A) 1,2,3
- (B) 2,1,3
- (C) 2,3,1
- (D) 1,3,2

6. Pictured is a sand dune. Which weather condition most likely formed the sand dune?

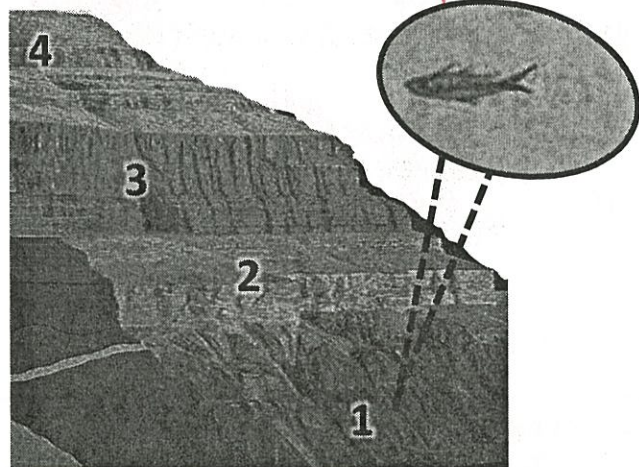


- (F) rain
  - (G) ice
  - (H) water
  - (J) wind
- Not much water in desert*



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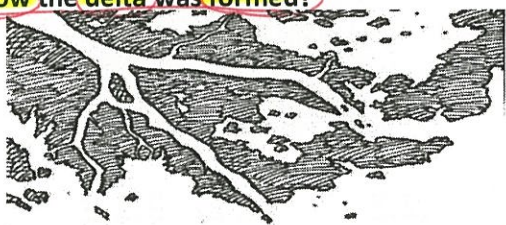
7. The diagram below shows rock layers in the Earth's crust.



Layer 1 contains many fossils like the one pictured above. Based on the fossil that is pictured, which type of environment was layer 1 many years ago?

- (A) Forest land
- (B) Desert land
- (C) Ocean water
- (D) Tundra land

8. The picture shows a delta that has formed at the mouth of a river. Which statement best explains how the delta was formed?

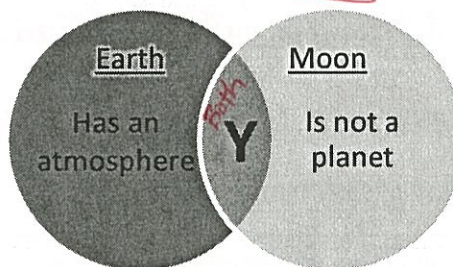


- (F) Sediment from a flowing river is eroded and deposited at the mouth of the river.
- (G) A volcano erupts at the mouth of the river leaving behind molten rock.
- (H) Sediment is deposited at the mouth of a river from strong winds.
- (J) Water pressure pushed soil from the flowing river and deposited it at the mouth of the river.

9. Which of the following statements about fossil fuels is NOT true?

- (A) Fossil fuels come from the remains of dead plants and animals.
- (B) Fossil fuels are non-renewable resources.
- (C) Coal, oil, and natural gas are all considered to be fossil fuels.
- (D) Fossil fuels were formed in a short amount of time.

10. Look at the Venn Diagram below. Which statement belongs in section Y?



- (F) no weather
- (G) has oceans
- (H) has craters
- (J) has a water cycle

11. Solar energy heats the earth's surface and creates the water cycle. Which part of the water cycle causes gases in the air to change into a liquid form?

- (A) condensation
- (B) runoff
- (C) evaporation
- (D) transpiration

12. The Grand Canyon National Park receives close to five million visitors each year. Which event below most likely formed the Grand Canyon?



- (F) weathering from wind
- (G) glacial movement
- (H) earthquake
- (J) erosion from flowing water