

Q1

Station 1

This is a liquid made from organic matter, heat, pressure, and millions of years-

- A) coal
- B) natural gas
- C) oil
- D) water

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Q2

Station 1

Which of the following is a gaseous fossil fuel produced from organic matter that is used to heat homes and cook?

- E) oil
- F) coal
- G) electricity
- H) natural gas

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Q3

Station 1

This is a natural resource made from remains of swamp plants from millions of years ago-

- J) coal
- K) oil
- L) natural gas
- M) sedimentary rock

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Q4

Station 1

This is the force of objects pushing on other objects-

- N) sedimentary rock
- O) organic matter
- P) pressure
- Q) coal

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Q1

Station 2

Which of these is burned to produce electricity?

- A) coal
- B) organic matter
- C) copper
- D) wood



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Q2

Station 2

Why are oil, coal, and natural gas considered nonrenewable resources?

- A) they are found easily underground
- B) they need pressure to form
- C) it takes millions of years for them to form
- D) they replenish themselves every 50-100 years

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Q3

Station 2

Where are fossil fuels usually found?

- A) on mountain peaks
- B) at the surface of the ocean
- C) in the atmosphere
- D) underground

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Q4

Station 2

Which is the first step in the creation of oil?

- A) Large marine animals eat smaller animals.
- B) Marine organisms die in the ocean and get buried in sand and sediment below.
- C) Swamp plants get buried under sediment.
- D) Ocean current carry organic matter to the deepest parts of the ocean.

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Q1

Station 3

What two processes are necessary to create fossil fuels?

- A) organic matter and water
- B) weathering and erosion
- C) condensation and evaporation
- D) heat and pressure

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Q2

Station 3

All of the following relate to the formation of fossil fuels except-

- A) sedimentary rocks
- B) decayed plants
- C) volcanic eruptions
- D) decomposed animals

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Q3

Station 3

Rock made of layers of compressed organic and inorganic sediments-

- A) sand
- B) sedimentary rock
- C) fossil
- D) coal



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Q4

Station 3

When fossil fuels are being formed, sedimentary rock is compressing together into layers. What does this mean?

- A) sediment is being squeezed together
- B) sediment is being turned into organic matter
- C) magma from the core is heating the sediments
- D) sediment is being deposited in a new location

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Q1

Station 4

A geologist made observations about four rock samples located at a dig site. Which of these observations most likely describes sedimentary rock?

- A) Sample 1 has bands of white and black crystals.
- B) Sample 2 is made up of layers of sand grains cemented together.
- C) Sample 3 is made up of one huge, purple crystal.
- D) Sample 4 is completely black.

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Q2

Station 4

What is the sun's role in the formation of fossil fuels?

- E) providing light for us to see the fossil fuels
- F) giving energy to organisms like plants that eventually become fossil fuels
- G) causing evaporation by heating the water to keep the water cycle going
- H) heating up the Earth's core to very hot temperatures

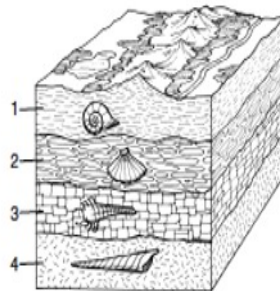
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Q3

Station 4

In the diagram below, which layer contains the youngest fossils?

- A) 1
- B) 2
- C) 3
- D) 4



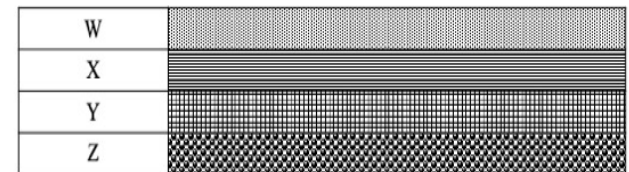
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Q4

Station 4

Several layers of sedimentary rock are illustrated. They are in the same order as when they first formed. Which layer is the oldest?

- E) W
- F) X
- G) Y
- H) Z



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Q1

Station 5

Which two fossil fuels are usually found near each other?

- A) oil and coal
- B) natural gas and oil
- C) natural gas and coal
- D) oil and solar

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Q2

Station 5

Coal and oil formed in places that 300 million years ago produced large amounts of-

- E) organic matter
- F) thermal energy
- G) earthquakes
- H) volcanic eruptions

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Q3

Station 5

Small particles of weathered rock can be formed into sedimentary rock through which two processes?

- J) sedimentary and igneous
- K) weathering and erosion
- L) compaction and cementation
- M) precipitation and condensation

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Q4

Station 5

Oil formation occurs where large oceans were located millions of years ago. This is because oceans have-

- P) deep trenches where no light reaches
- Q) large waves that are constantly moving water around
- R) large numbers of tiny marine organisms
- S) currents that are constantly mixing the water

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