



# BIOLOGY

## BOOKS - BETOPPERS

### FOSSILS

#### Formative Worksheet

1. Consider the following statements regarding fossil fuels.

I Fossil fuels are the dead remains of living

organisms that have been buried for a long time.

II Excessive use of fossil fuels causes global warming and a depletion of natural resources.

III Earthquakes occur as a result of burning fossil fuels.

Among the given statements,

A. Only statement I is true

B. Only statement III is true

C. Statements I and II are true

D. Statements II and III are true

**Answer:**



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2. An excessive use of fossil fuels can lead to the

- A. Destruction of buildings
- B. Depletion of natural resources
- C. Reduction of global temperature
- D. Reduction in electricity production

**Answer:**



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**3.** Fossils play an important role in studying the process of evolution. What are fossils?

A. They are fresh remains of dead plants and animals

B. They are preserved remains of dead plants and animals

C. They are living body parts of living plants and animals

D. They are preserved body parts of living plant and animals

**Answer:**



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4. While digging through a sedimentary rock, a group of scientists discovered fossils of different types of animals. They first found the

fossils of a mammal, then of a bird, then an amphibian, and finally they found the fossils of fish. Which fossil is the oldest among the mentioned fossils?

A. Amphibian

B. Mammal

C. Bird

D. Fish

**Answer:**



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5. It is advisable that we reduce our usage of conventional sources of energy and use non conventional sources instead. However, when compared to the conventional sources of energy the non-conventional sources

A. Have lesser calorific values

B. Release greater toxic gases

C. Are in greater danger of getting exhausted

D. Pose a more serious threat to the  
enviromnent

**Answer:**



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**6. Use of fossil fuels must be avoided because**

A. Their energy output is low as they have  
been kept unused for millions of years



- B. They use oxygen from atmosphere for burning which can cause its depletion
- C. They produce solid wastes that are harmful for environment
- D. Their use produces gases that enhance greenhouse effect

**Answer:**



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7. Scientists find various fossils of a particular prehistoric mammal in successive layers of sedimentary rocks. But, as they moved closer to surface, after a few layers (spanning around 10,000 years) the fossils of that mammal disappeared. The disappearance of the fossils indicates the period when

- A. Sediment formation stopped
- B. The mammal became extinct
- C. The mammal was heavily preyed upon

D. Earth was not undergoing any changes

**Answer:**



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**8. Which of the following sources of energy is not environment friendly?**

A. Water

B. Coal

C. Wind

D. Sunlight

**Answer:**



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**9.** Which of the following characteristics is not that of fossil fuels?

- A. They are renewable.
- B. They are exhaustible.
- C. They cause pollution.

D. They take many years to form.

**Answer:**



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## Conceptive Worksheet

1. Some fuels do not affect the environment, while the use of other fuels cause air pollution and affect the environment The use of which

of the following sources of energy will affect the environment?

A. Coal

B. Hydro

C. Solar

D. Tidal

**Answer:**



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2. A liquid X, also called black gold, has two constituents - Y and Z. Y is used as a rocket propellant and Z is used in road surfacing. X, Y, and Z are respectively

A. Petroleum, kerosene, and bitumen

B. Petroleum, diesel, and bitumen

C. Petrol, kerosene, and diesel

D. Petrol, LPG, and diesel

**Answer:**



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3. The combustion of fossil fuels releases oxides of \_\_\_\_\_ and \_\_\_\_\_. These oxides combine with water vapours in the atmosphere and eventually cause acid rain. The information in which alternative completes the given statement?

A. i- carbon ii- sulphur

B. i- sulphur ii- nitrogen

C. i- carbon ii- chlorine



D. i- sulphur ii-chlorine

**Answer:**



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**4. Fossil fuels cannot be used to**

A. Run turbines

B. Produce electricity

C. Fuel motor vehicles

D. Minimize greenhouse effect

**Answer:**



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5. Which of the following observations provides evidence that organisms existed in the past?

- A. Feather impression in bedrock
- B. Photosynthesis by leaves
- C. Meteors falling on Earth
- D. Respiration by animals

**Answer:**



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6. Which of the following observations does not provide evidence that organisms existed in the past?

- A. Insect in amber
- B. Animal in the zoo
- C. Footprints on the rocks
- D. Feather impression in bedrock

**Answer:**



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**7. The use of fossil fuels**

A. Reduces the chances of acid rain

B. Leads to a decrease in the greenhouse  
effect

C. Reduces the level of carbon dioxide in  
the air

D. Leads to a depletion of the conventional  
energy sources

**Answer:**



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**8.** Scientists throughout the world gather new evidences to form ideas about what organisms lived on Earth in the past. Which of the following observations provide evidence that organisms existed in the past?

- A. Animals living in zoo
- B. Bones found in bedrock
- C. Meteors that fall on Earth
- D. Occurrence of seeds in fruit

**Answer:**



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**9.** Which of the following objects are not used to determine that organisms existed in the past?

A. Fossils

B. Meteors

C. Claws in tar pits

D. Footprints on rocks

**Answer:**



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**10.** Plant X grows in saline water. Plant Y grows in fresh water. Under certain conditions both

plants X and Y become dry. Plants X and Y become dry when

A. Plant X is grown in pond water and plant Y is grown in sea water

B. Plant Y is grown in pond water and plant X is grown in sea water

C. Both plants X and Y are grown in sea water

D. Both plants X and Y are grown in pond water



**Answer:**



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**Summative  
Questions**

**Worksheet**

**Multiple**

**Choice**

**1. coal and petroleum are**

- A. Fossils
- B. Formed by Sun's energy
- C. Fossil fuels

D. None of the above

**Answer:**



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## 2. Fossils

A. Are of recent origin

B. Are formed from living organisms that  
lived millions of years ago

C. Do not represent living forms

D. Are none of the above

**Answer:**



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## Summative Worksheet Fill In The Blanks

1. Fossils are present in \_\_\_\_\_ rocks.



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2. Three main fossil fuels are , \_\_\_\_\_ and \_\_\_\_\_

.



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3. Fossil fuels, because of their inability to regenerate quickly, are called \_\_\_\_\_ resources of energy.



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1. Define fossils.



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2. How are the fossils formed



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3. Mention the significance of the study of fossils.





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**4. What are fossil fuels ?**



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**5. Name three fossil fuels.**



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6. Name the ultimate source of energy for fossil fuels.



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7. Why are fossil fuels considered nonrenewable sources of energy?



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8. Why should we not use fossil fuels?



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9. Write briefly about the following fossil fuels:

Coal



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10. Write briefly about the following fossil fuels:

Petroleum



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**11.** Write briefly about the following fossil fuels:

Natural gas



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**12.** What is meant by energy crisis?



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