

Nature's treasure

1. Assertion (A): Excessive use of fossil fuels leads to global warming.

Reason (R): Burning fossil fuels increases the concentration of greenhouse gases like carbon dioxide in the atmosphere.

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true.

2. Assertion (A): Use of CNG in vehicles is promoted in many cities.

Reason (R): CNG burns more completely and causes less air pollution compared to petrol or diesel.

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true.

3. Assertion (A): Rocks are composed of minerals which are basic components of metals like gold, copper etc.

Reason (R): Dead plants and animals get buried under layers of sediments of sedimentary rocks.

- A. Both A and R are true, and R is the correct explanation of A.
- B. Both A and R are true, but R is not the correct explanation of A.
- C. A is true, but R is false.
- D. A is false, but R is true.

4. Observe the picture carefully and answer the following questions –

- A. Why does he put a cover on his nose?
- B. Describe the air quality of the place shown in the image.
- C. What can be done to change the quality of the air?



5. Observe the given image carefully and answer the following questions:

- A. Write the full name of the fuel that is present inside the cylinder.
- B. Write the major component of this fuel.
- C. What is the molecular formula of the major component of the fuel?
- D. What is the main source of the main component used in this cylinder?
- E. In which state the fuel is present inside the cylinder? Justify your answer.
- F. In which state does the fuel comes out of the cylinder?



