



CREST Science Olympiad (CSO) Worksheet *for* Class 5



Topic

Natural Resources and Source of Energy



@crestolympiads



info@crestolympiads.com



+91-98182-94134

Worksheet on Natural Resources and Source of Energy

1. Which of the following is an example of the conservation of resources in everyday life?

- a. Taking shorter showers and fixing leaking faucets
- b. Leaving the lights on when leaving a room
- c. Buying single-use plastic water bottles
- d. Throwing away recyclable paper in the regular trash bin

2. Which of the following is a non-renewable resource that is essential for agriculture and supports the growth of crops and plants?

- a. Wind
- b. Minerals
- c. Sunlight
- d. Minerals

3. Charlie's father has a cabin in a faraway location with abundant sunlight. Which renewable energy source would be most suitable for powering it?

- a. Hydroelectric energy
- b. Geothermal energy
- c. Solar energy
- d. Biomass energy

4. Match the following.

	Column I		Column II
1.	Solar Energy	1.	Energy obtained from moving air
2.	Wind Energy	2.	Energy derived from sunlight
3.	Thermal energy	3.	Limited energy sources formed from ancient plants and animals
4.	Chemical energy	4.	Energy from the running water of streams and rivers

- a. 1:A, 2:B, 3:C, 4:D
- b. 1:C, 2:B, 3:D, 4:A
- c. 1:B, 2:D, 3:A, 4:C
- d. 1:B, 2:A, 3:D, 4:C

5. Reducing fossil fuel consumption is important for several reasons. Which of the following options accurately state why we should minimise our reliance on fossil fuels?

- a. Reducing fossil fuel consumption can promote the development of cleaner, more sustainable energy sources.
- b. Fossil fuels are the only viable energy source for transportation.
- c. The use of fossil fuels has no negative impact on the environment.
- d. Fossil fuels are the cheapest energy source available.

Answer Key

1. a - Taking shorter showers and fixing leaking faucets is an example of conserving resources in everyday life because it reduces water wastage. By being mindful of our water usage and fixing any leaks, we can help conserve water.
2. b - Minerals are non-renewable resources that are essential for agriculture and support the growth of crops and plants.
3. c - Solar energy would be the most suitable renewable energy source for powering Charlie's father's cabin in a faraway location with abundant sunlight. Solar panels can be installed on the cabin's roof to capture sunlight and convert it into electricity.
4. d -
Solar Energy: Energy derived from sunlight
Wind Energy: Energy obtained from moving air
Hydroelectric Energy: Energy from the running water of streams and rivers
Fossil Fuel: Limited energy sources formed from ancient plants and animals
5. a - By transitioning to renewable energy sources like solar, wind, and hydropower, we can reduce our reliance on fossil fuels and create a more sustainable energy future.

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