

Social Studies Blog Worksheet- Year 4

Answer the Following:-

- a) Define Fossil Fuels.
- b) Write importance of fossil fuels to people.
- c) How did fossil fuels begin with energy from the sun?
- d) Why do we use so much fossil fuel? Give two reasons.
- e) Write few uses of coal.

- f) Which huge earth-moving machine is important in the surface mining process as it excavates the overburden, or soil covering the coal deposit?
- g) What is an ore?
- h) What is wasted rock?
- i) What is mining?

ANSWER KEY

- a) Fossil Fuels are organic deposits mined from the earth. They form from decaying plants and animals, which died millions of years ago.
- b) Importance of Fossil Fuels:
 - a. Coal: Electricity – fire – light – fan
 - b. Oil: Vehicles – machines – ships – Food
 - c. Gas: Generators – geysers – diesel – fire
- c) Fossil Fuels are formed from decaying plants and animals. Fossil Fuels contain the captured energy of the sun.
- d) 1- The most common use of fossil fuel is the generation of electricity.

2- Most modes of transport are powered by coal and petrol.
- e) Coal is used to:
 - Generate electricity
 - Cooking
 - Heating
- f) Draglines are the world's largest land-based machines with buckets up to 250 tons and play a key role in a surface mine's operation
- g) Ore - a material that can be economically mined. If you remove the material from the ground you can make a profit.
- h) Waste Rock - all of the material that is left over after you remove the metal from the ore. It has no economic value at this time and so is dumped on a waste pile away from the ore bearing rock.
- i) Mining - removing the ore from the non-ore rock.