

Extraction of Iron

Fill in the blanks with a word in the drop-down list.

The ore for iron is called _____. The mining of the ore release a lot of dust, which blocks sunlight and so contribute to _____. The heavy tractors burns fossil fuels and release carbon dioxide into the air. Carbon dioxide is a greenhouse gas, which contributes to _____.

Iron is extracted from its ore using a _____. The raw materials – haematite, _____, and coke – are loaded at the top while _____ is pumped in near the base of the furnace. Carbon, in the coke, is higher in the _____ than iron. So the carbon _____ iron from the iron ore. This iron is later purified to produce _____.

The _____ combines with impurities in the ore to form slag, which is used to fill out _____ in bad roads. The waste gases produced include nitrogen oxides, carbon monoxide and _____. These gases are captured and _____; otherwise, they would contribute to air pollution.

Drag the labels onto the blast furnace.

