7.2 COMBUSTION

1. Please state THREE conditons needed for combustion:

   a)

   b)

   c)

2. Match the right pairs of types of fire extinguisher and example of material for each sources of fire.

Material on fire	Example of material	Type of fire extinguisher
Solid		
Liquid		
Gas		
Metal		

Wood, cloth, paper

Foam, dry powder, carbon dioxide

Oil, varnish, paint

Potassium, sodium, magnesium, calcium

Water, dry powder

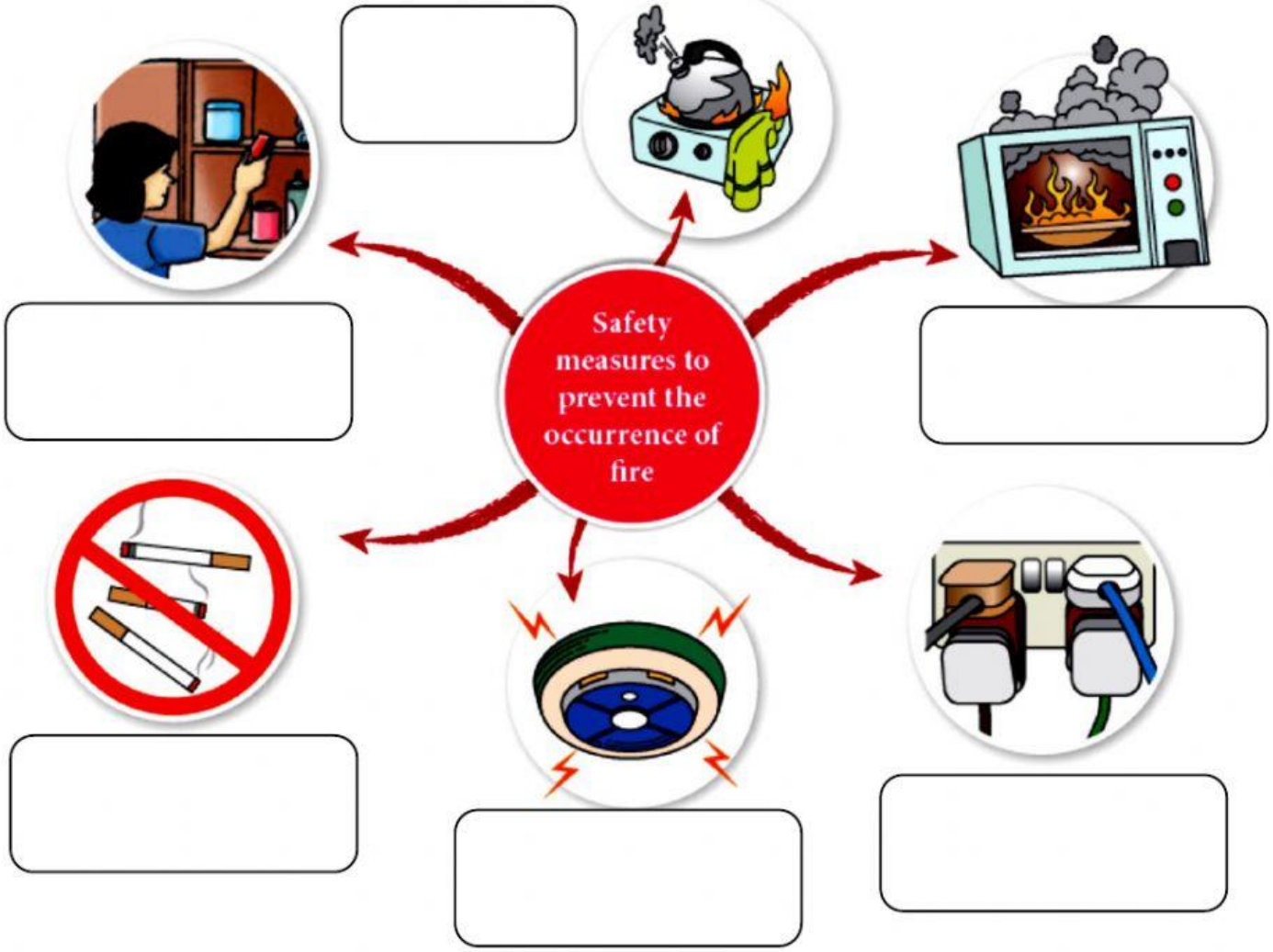
Foam, dry powder, carbon dioxide

Dry powder, dry sand

Propane, acetylene, methane

LIVEWORKSHEETS

3. **Match the safety measures to prevent the occurrence of fire with the right pictures.**



Install fire alarm and smoke detector at home

Keep matches and lighters in a safe place

Keep away flammable substances from fire

Do not throw away cigarette butts when they are still burning

Do not plug in too many electrical appliances to a single electrical source

Always be aware of your electrical appliances

LIVEWORKSHEETS

7.3 AIR POLLUTION

- Exhaust of vehicles
- Factories

- Open burning
- Cigarettes
- Forest fires

- Construction sites
- Asbestos factories
- Limestone quarries

Agriculture and plantation activities

Nuclear power plants

- Air-conditioners
- Refrigerators
- Aerosol sprays

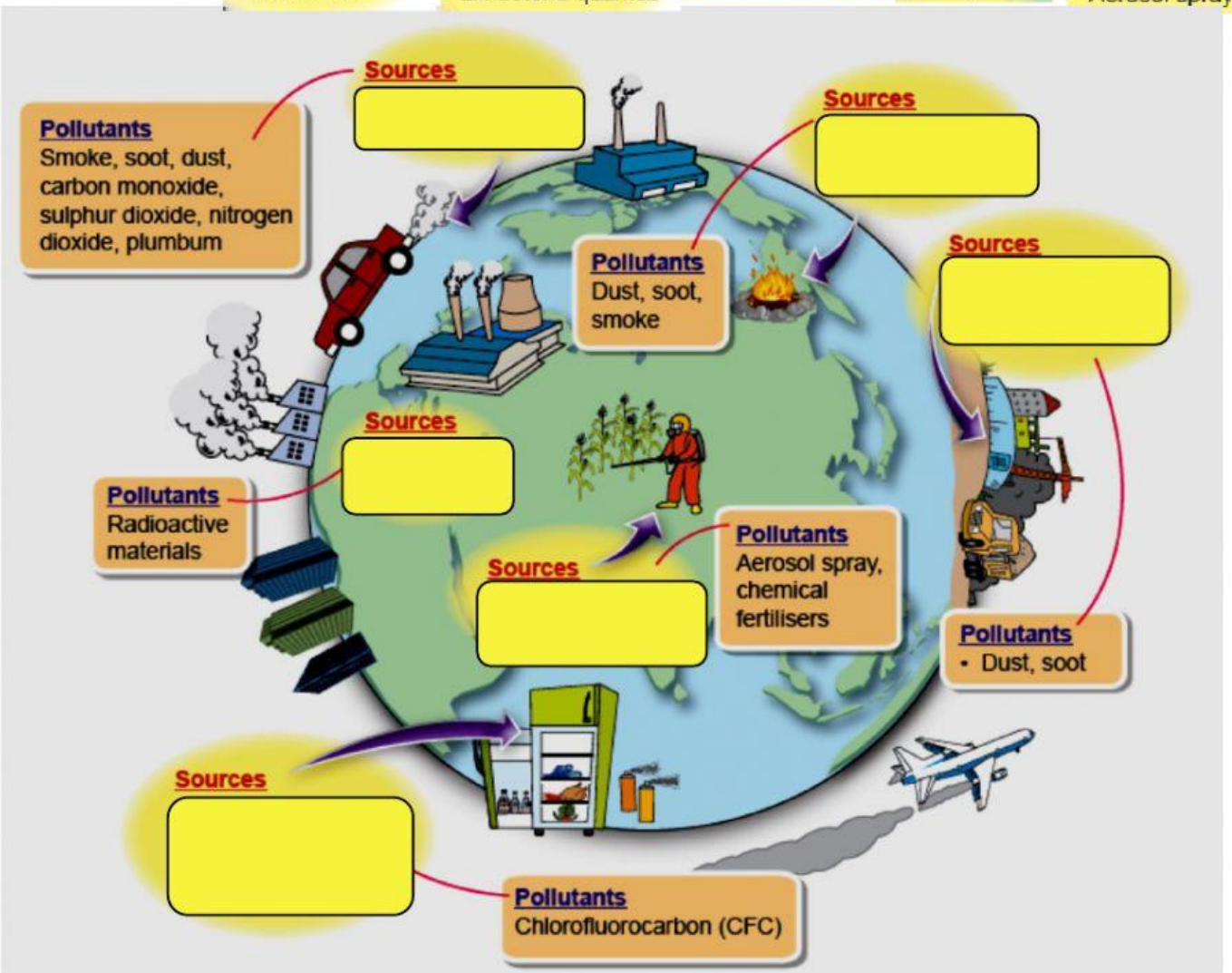


Figure 7.12 *Sources of air pollutants*

Match each pollutant to its effect.

Pollutant
Carbon dioxide
Nitrogen dioxide
Chlorofluorocarbons

Effect
Acid rain
Greenhouse effect
Thinning of the ozone layer

Tick (✓) the correct statement on how to control and reduce air pollution.

(a) Use materials free of chlorofluorocarbons (CFC).

(b) Use public transport.

(c) Conduct open burning.

(d) Practise reusing and recycling items.

(e) Use petrol and diesel that contain lead.

LIVEWORKSHEETS