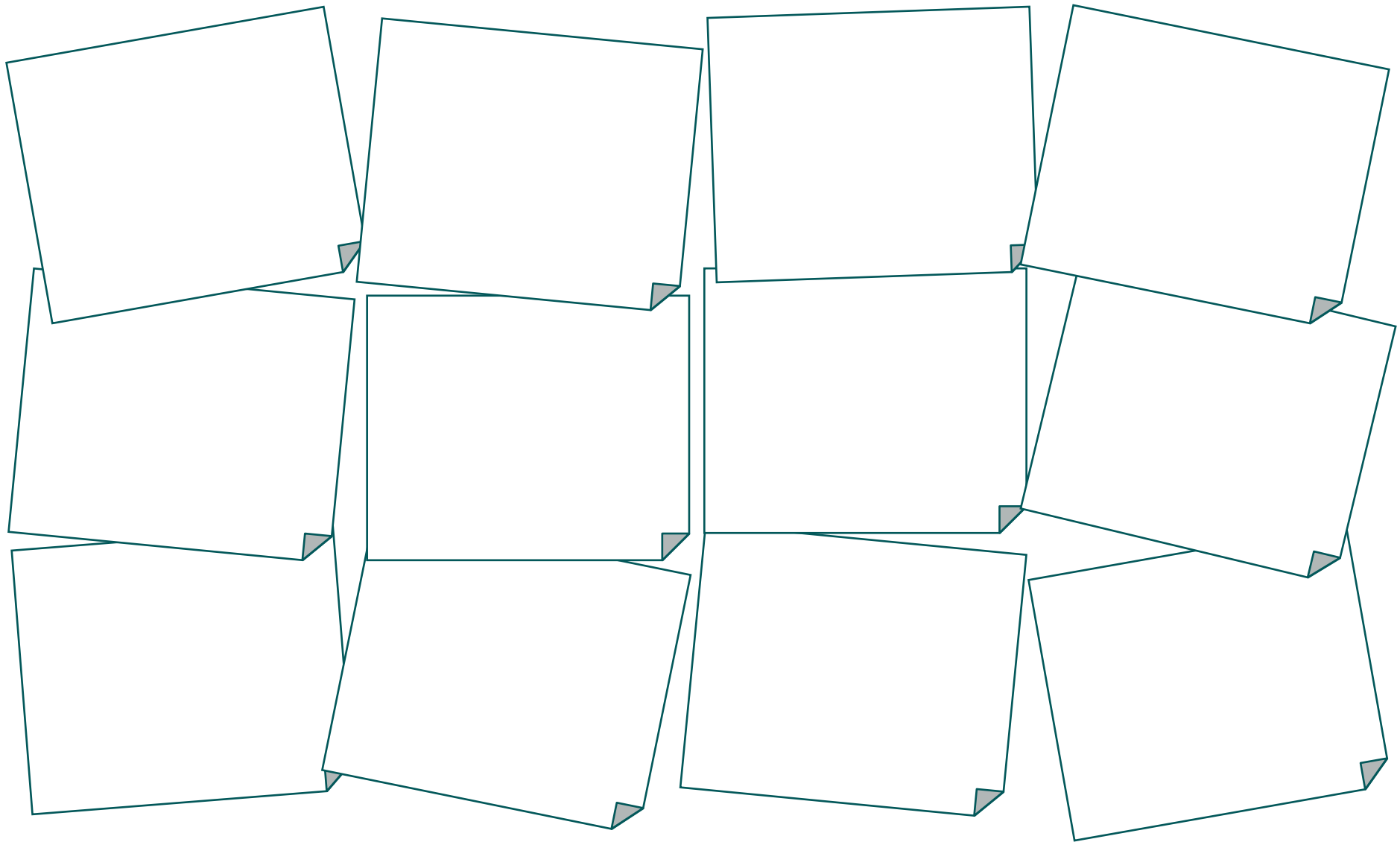


Geography Section 4: Activity Sheet

Impact of Air Pollution

Activity One

As you watch the video, use the post it notes below to write down key words or phrases that you hear or use them to draw images that you see. Write down one idea, keyword or picture in each note.

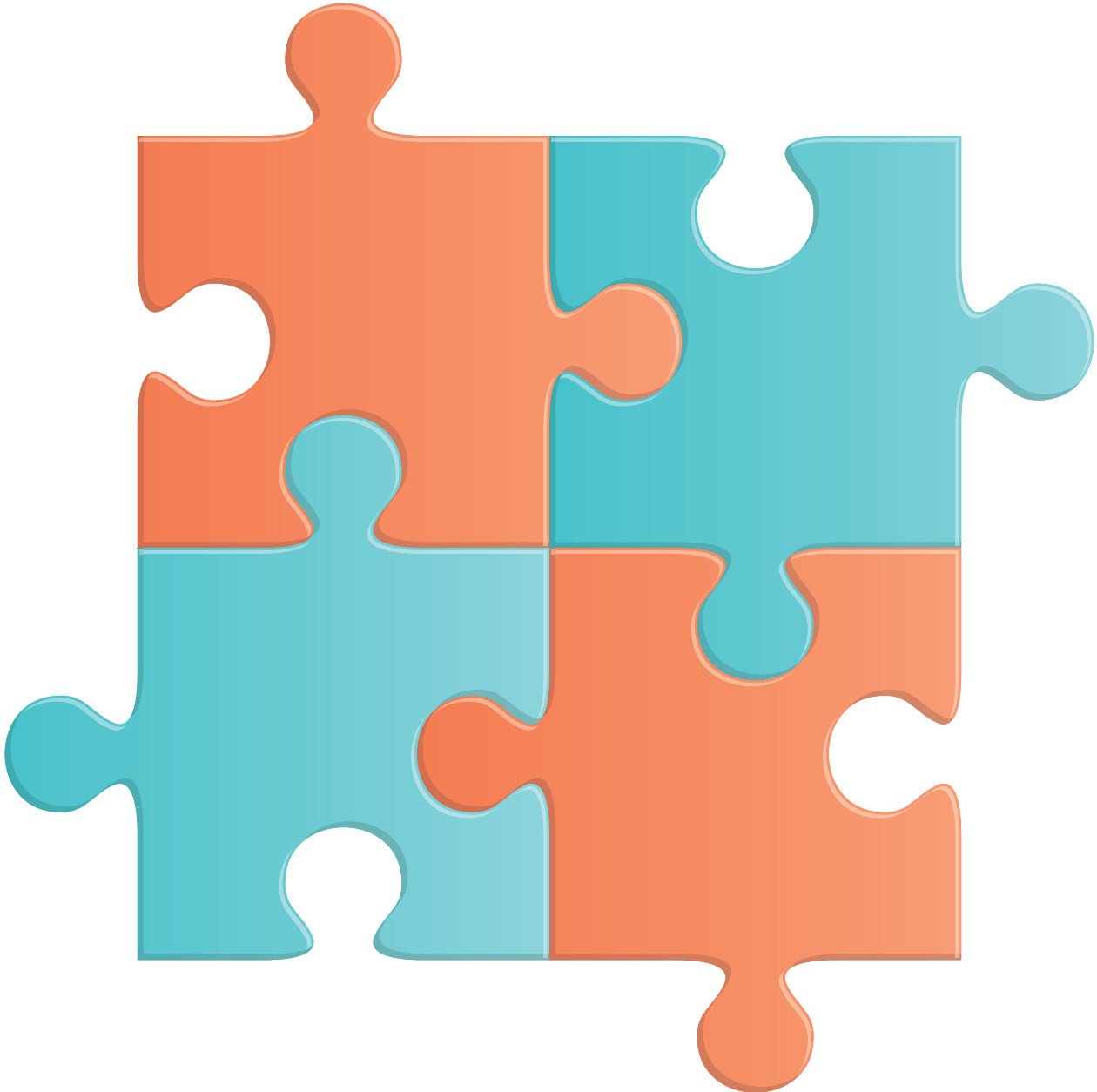


Geography: Section 4

Impact of Air Pollution

Activity Two

Jigsaw Pieces



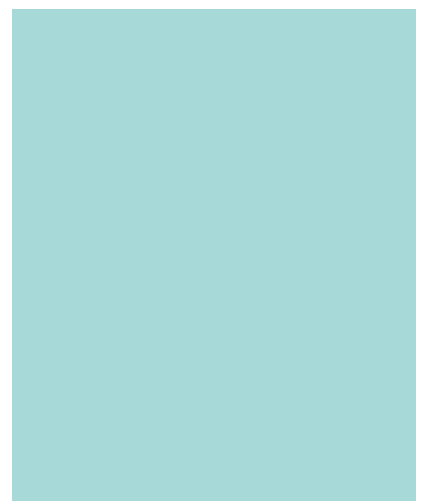
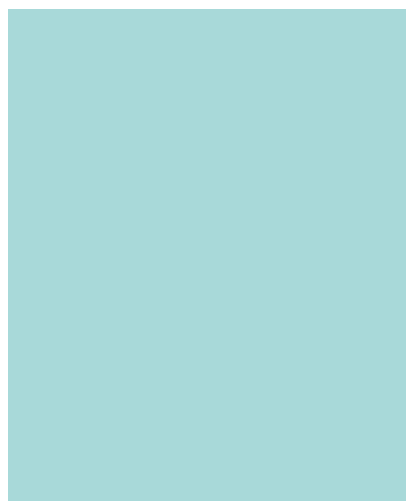
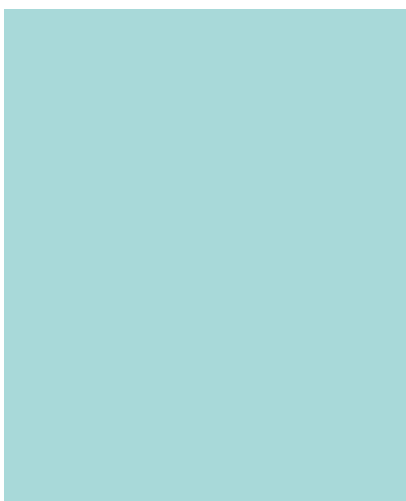
Expert Sheet 1: Impact on Plants & Animals

Keywords

Animals	Plants
Habitats	Food
Illness	Water
Loss of Species	Physical
Growth	Photosynthesis

Facts

- Acid rain, caused by chemicals in the air, falls on streams and lakes or onto the soil, making the water and soil more acidic. This in turn can destroy food sources, limit plant growth, and destroy habitats. This can lead to a loss in animal and water life species.
- The health and life expectancy of animals may also be affected through the foods that they eat if chemicals from the atmosphere are absorbed into the food.
- Animals that are closely related to humans, may experience similar health problems that we do such as respiratory (breathing) illnesses.
- Plants can be physically damaged by chemicals in the atmosphere with brown spots, leached areas or lesions appearing on leaves.
- Air pollutants can limit a plants ability to photosynthesise, reproduce and grow.



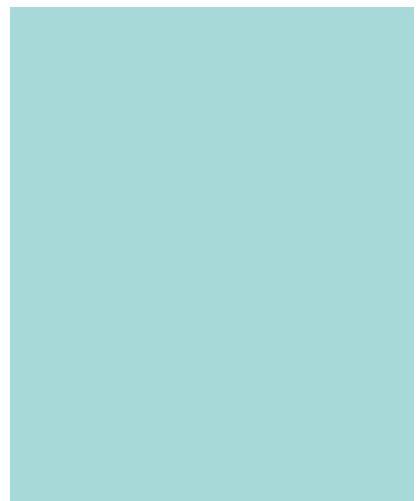
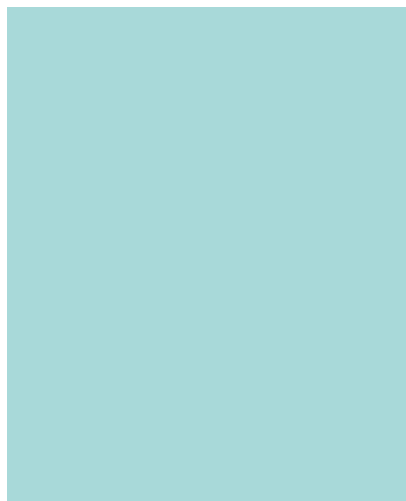
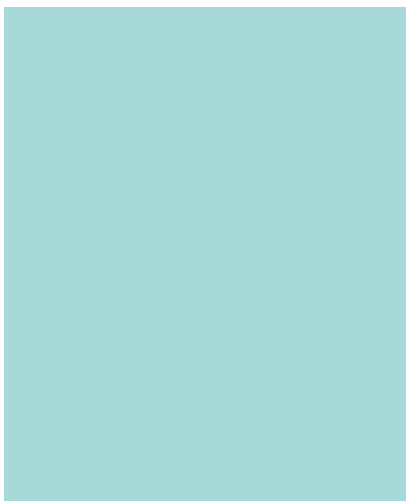
Expert Sheet 2: Impact on Wider Environment

Keywords

Smog	Plants
Visibility	Animals and Plants
Eyesore	Ecosystem
Landscape	Food Chain
Uninhabitable	Climate Change

Facts

- Air pollution can create a smog or haze which can be unattractive and an eyesore and reduce visibility.
- Acid rain, caused by pollutants in our air can damage crops on farms, materials for industry, water supplies and buildings.
- Damage to trees, forests, rivers/lakes and soil can make a landscape unattractive and uninhabitable for some animal and plant species.
- Damage to one aspect of an ecosystem and/or food chain can have a knock on effect on many other animal and plant species.
- Some air pollutants contribute to climate change. Climate change can lead to increasing temperatures, extreme weather, flooding, drought, melting of the ice caps and a loss of animal and plant habitats.



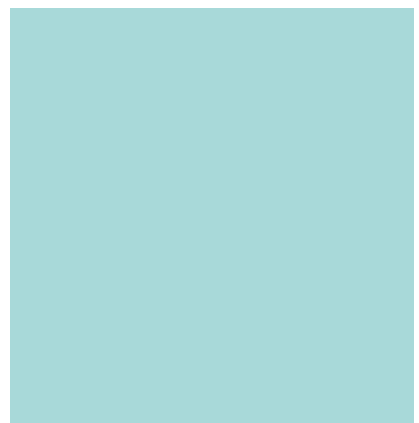
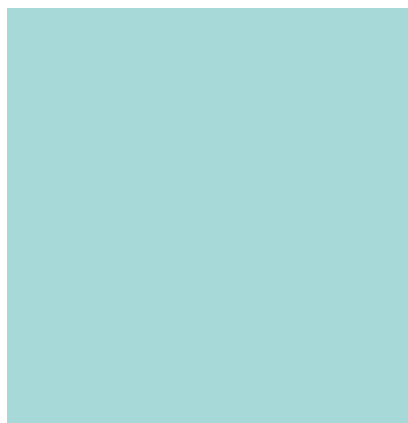
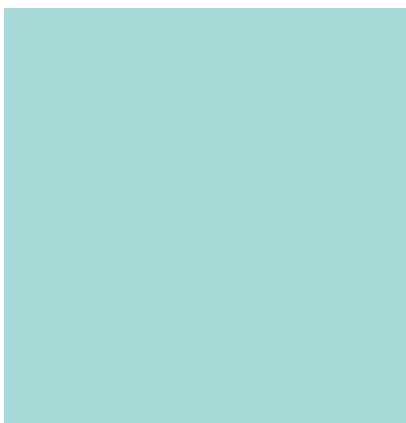
Expert Sheet 3: Impact on our Health

Keywords

Asthma	Lung Disease
Nerve Damage	Eyes
Brain Damage	Throat
Cancer	Coughing
Life Expectancy	Pain

Facts

- The effects of air pollution on our health varies from person to person and depends on the type and length of time we are exposed to it.
- People who suffer from lung or heart diseases, such as asthma, the young or those who are old are more at risk of suffering the effects of air pollution.
- People who live in areas where their exposure to air pollution is over a longer period of time and at higher levels are also at greater risk of developing symptoms and problems with their health.
- Air pollution can cause our eyes, nose and throat to become irritated. Some people may experience pain when breathing or start to cough.
- Breathing polluted air which contains dangerous chemicals can lead to the development of cancer, lung disease and respiratory problems, brain and nerve damage and birth defects.
- According to research, air pollution plays a significant role in reducing the average life expectancy of every person in the UK.



Expert Sheet 4: Impact on the Economy

Keywords

Economy	Taxes
Health	Materials
Absent from Work	Businesses
Buildings	Government
Travel	Money

Facts

- Air pollution costs the UK economy around £16 billion per year.
- Air pollution can have an effect on a person's health. If people are off from work because they are sick due, businesses make less goods and in turn they make less money, so they have lower profits.
- If businesses are not making goods and people are not working, the government, will not make money from collecting taxes.
- If the government has less money it will not have money to invest in education, hospitals, transport and housing.
- Air pollution can cause damage to crops, forests and materials that are needed by businesses to produce goods to sell. If the goods cannot be made and sold, then the company will lose money maybe close down and workers might lose their jobs which will effect family life.
- If more people are sick because of air pollution this will put hospitals under pressure and it will cost the health service a lot of money in treatments.
- Air pollution can make travelling difficult.
- Costs money to repair damage and clean to buildings.

