

## Care for KentAir Test of Understanding

Pupil Name

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Class

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Date

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*Carefully read each question and either fill in the answer or tick the answer(s) that you think are correct.*

1. Name three sources of pollution caused by human activity (anthropogenic)

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

2. Name three the natural sources of pollution

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

3. Which of the following are Air Pollutants? (tick as many as you want)

a. Nitrogen dioxide (NO<sub>2</sub>)

b. Carbon dioxide (CO<sub>2</sub>)

c. Oxygen (O<sub>2</sub>)

d. Particulate matter as PM<sub>2.5</sub>

e. Particulate matter as PM<sub>10</sub>

f. Sulphur dioxide (SO<sub>2</sub>)

g. Carbon monoxide (CO)

4. Name three actions that you or your family could do to reduce pollution

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

5. Which one of the following gaseous pollutants generally requires sunlight and heat when formed from other primary pollutants? (tick only one pollutant)

a. Nitrogen dioxide (NO<sub>2</sub>)

b. Carbon monoxide (CO)

c. Ozone (O<sub>3</sub>)

d. Sulphur dioxide (SO<sub>2</sub>)

e. Carbon dioxide (CO<sub>2</sub>)

6. What weather conditions helps disperse air pollutants

a. Sunny

b. Rainy

c. Windy

d. Calm

7. What are the main greenhouse gases from human activity that contribute to climate change?

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

8. Name three actions that you or your family could do to reduce climate change

a. \_\_\_\_\_

b. \_\_\_\_\_

c. \_\_\_\_\_

9. How much NO<sub>x</sub>, PM<sub>10</sub> and CO<sub>2</sub> does your journey to school produce per person (use the emission calculator) and how much could these be reduced?

NO<sub>x</sub>: \_\_\_\_\_

PM<sub>10</sub>: \_\_\_\_\_

CO<sub>2</sub>: \_\_\_\_\_

What action could you take to reduce overall emissions?

\_\_\_\_\_

10. Which fueled vehicle emits the least pollution locally?

a. Diesel

b. Hybrid

c. Electric

d. Petrol

11. How could a car user increase efficiency and reduce pollution at the same time? (tick as many as you want)

a. Observe speed limits

b. Drive instead of taking public transport

c. Ensure tyre pressures are correct & service car regularly

d. Drive smoothly

e. Reduce air conditioning use

f. Combine Journeys

g. All of the above

12. What are you going to commit to do to reduce air pollution?

\_\_\_\_\_

13. What are you going to commit to do to attempt to reduce climate change?

\_\_\_\_\_

14. Can you think of any actions you think your school could make to reduce climate change or pollution?

Climate Change: \_\_\_\_\_

Pollution: \_\_\_\_\_