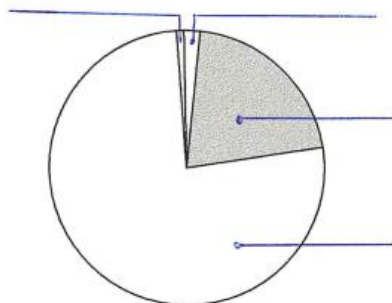


Atmospheric Gases

Name: _____ Date: _____

- Reference Pp. 60-61 – Nelson - Science 9.

1. Label the pie graph below. Indicate the gas and the % for each section in the pie graph below.



2. i) What is the most abundant gas in Earth's Atmosphere? _____

ii) Why can we breathe this gas in?

iii) When is this gas harmful to us? Explain.

3. Atoms of oxygen can exist in two forms: oxygen and ozone. Which one we need so that we can breathe? _____

4. How is the formula for **ozone** different from **oxygen** gas? (write out both and explain)

5. Ozone in the upper atmosphere is very important to us. Why is it so important?

6. When ozone in the lower atmosphere is formed it can be dangerous. How is ozone formed at ground level?
7. What effect does ground level ozone have on living things?
8. What is the formula for carbon dioxide? _____ What is the formula for carbon monoxide? _____
9. i) Which of the two gases in question 8 is harmful to breathe in? _____
ii) Why is it harmful to breathe it in (what happens in your lungs)?
10. List two ways that **carbon monoxide** is created?
- -
11. If humans and all other animals are constantly producing carbon dioxide and it is a fairly stable gas, why does it make up only a tiny percentage of the Earth's atmosphere?
12. What is a **test** that you can perform to determine if **oxygen gas** is present? What will the result be?
13. What is the **test** that you can perform to determine if **carbon dioxide** is present? What will the result be?