



Name: \_\_\_\_\_

Class: \_\_\_\_\_ Date: \_\_\_\_\_

## Evidence and Predictions

*An activity of "Blocking the sun to keep Earth cool?"*

The world is getting warmer. How can we avoid extreme global temperature increases? Read "Blocking the sun to keep Earth cool?" (page 8, *What's Up* September 2024).

In most scientific articles, you will come across evidence and predictions.

❖ **Evidence** is facts or signs that show clearly that something is true or exists.

❖ A **prediction** is a statement about what you think will happen in the future.

**PART A.** Read the following statements. Use evidence from the story to support them or write your own predictions. The first two have been done for you.

1. Burning fossil fuels adds to global warming.

Evidence (fact): Burning fossil fuels emits carbon dioxide which traps heat in the atmosphere.

2. Sulphur dioxide is a pollutant that is harmful.

Therefore, I predict that it will cause health problems in people.

3. Large amounts of sulphur dioxide in the atmosphere reduce global temperatures.

Evidence that proves that this is true: \_\_\_\_\_

\_\_\_\_\_

4. Releasing sulphur dioxide interferes with nature.

Therefore, I predict that \_\_\_\_\_

\_\_\_\_\_

5. Direct air capture technology is similar to growing more trees.

Evidence (fact): \_\_\_\_\_

\_\_\_\_\_

6. Direct air capture has no impact on decreasing the amount of carbon dioxide each year.

Evidence that proves this is true: \_\_\_\_\_

\_\_\_\_\_

**PART B.** Look for more examples of evidence and predictions from the story. List them here. The first one is done for you.

**Evidence (fact)**

- “Meanwhile, many countries struggle to reduce the use of fossil fuels.”
- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Predictions:**

- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**PART C.** Using a combination of evidence and predictions, share with your group your opinion on whether sulphur dioxide or direct air capture shows more promise in slowing down climate change. Use the space below to add more points to support your view.

---

---

---

---

---

---

---

---

---

---

---

---