

Anticipation Guide: Gas Exchange

Before starting the activity, mark whether you agree (+) or disagree (–) with each statement below.

After completing the activity, mark whether you agree (+) or disagree (–) with each statement below. Under each statement, explain how the activity gave evidence to support or change your ideas.

Before **After**

- | | | |
|-------|-------|--|
| _____ | _____ | 1. Carbon dioxide is produced when your body chemically breaks down substances in food. |
| _____ | _____ | 2. All of the air that you exhale is carbon dioxide. |
| _____ | _____ | 3. Your body needs oxygen to get energy from food. |
| _____ | _____ | 4. The amount of carbon dioxide that you exhale is different than the amount exhaled by other people. |
| _____ | _____ | 5. The air we breathe is pure oxygen. |
| _____ | _____ | 6. Your lungs are sacs with smooth walls, similar to the walls of a balloon. |
| _____ | _____ | 7. Air and food go down the same passageway. |
| _____ | _____ | 8. The walls of your lungs are filled with many tiny blood vessels. |