

HEATING AND COOLING AIR A

Part 1. Question

What happens to a volume of air when it is heated? When it is cooled?

Part 2. Procedure

- a. Work with materials to figure out a good demonstration to show fourth graders.
- b. Draw and label your setup.
- c. Write a description of what happens to air when it gets hot and when it gets cold. Make sure it can be understood by fourth graders.

Part 3. Draw and label your setup here.

Part 4. Explain what happens to air when it is heated and cooled.

When air is heated, the mass of air increases in volume, or expands. When air is cooled, the mass of air decreases in volume, or contracts.
