

Chemical vs. Physical Reactions

Read about two different types of reactions in the boxes below. Then write each reaction in the appropriate box.

Chemical

When matter changes into a new substance and cannot change back into its original form.

A tree burns and releases energy as heat.



1. Cake mix bakes in the oven.

4. Baking soda and vinegar are combined to make carbonic acid.

7. A dog's body turns food into energy.

1. Cake mix bakes in the oven.

2. A sheet of aluminum foil is crumpled into a ball.

3. A bottle breaks into glass.

4. Baking soda and vinegar are combined to make carbonic acid.

5. Ice is heated until it melts.

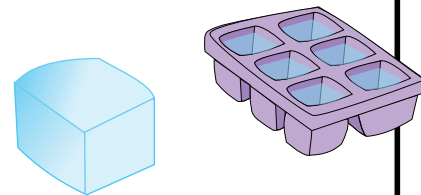
6. A piece of lumber is sawed in half.

7. A dog's body turns food into energy.

Physical

When matter temporarily changes states and can change back to its original state.

Water is frozen to form ice.



2. A sheet of aluminum foil is crumpled into a ball.

3. A bottle breaks into glass.

5. Ice is heated until it melts.

6. A piece of lumber is sawed in half.