

chemical vs. physical reactions

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

chemical

Reactions that change the make-up of a substance.

- A tree burns and releases energy as heat



1. Rain mixes with iron in a wheelbarrow to create rust

2. Chopped lettuce, carrots and tomatoes are mixed to make a salad

3. A candle burns, transforming the wax into gases

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

5. Water is frozen into ice and then heated until it becomes a vapor

6. A piece of lumber is sawed in half

7. A dog's body turns food into energy

physical

Reactions that do not change the make-up of a substance, only its appearance.

- Blueberry juice is squeezed over a white shirt to dye it blue

