

## UNIT 5: MATTER AND HOW IT CHANGES

→ Here you have some **examples of homogenous and heterogeneous mixtures**. Watch the video and tell me five examples of each one:

[https://youtu.be/-r\\_9QZXwT2c](https://youtu.be/-r_9QZXwT2c)

- ◆ **Homogeneous** mixtures: blood, sugar solution, alcohol and water, orange juice, salty water, brewed tea or coffee, soapy water, hydrochloric acid, hard alcohol, wine.
- ◆ **Heterogeneous** mixtures: oil & water, a soil sample, sandy water, a carbonated beverage or beer, orange juice with pulp, water with ice cubes, chicken noodle soup.

### WHAT IS ENERGY?

→ Watch this video about types of energy and complete:

#### **Types of energy:**

[https://youtu.be/1JdvH\\_8cz-I](https://youtu.be/1JdvH_8cz-I)

- Definition: Energy is the **ability** of a body to **work**.
- FORMS OF ENERGY: heat energy, light energy, chemical energy, nuclear energy, electrical energy, sound energy, wind energy, kinetic energy, potential energy and mechanical energy.

Examples of energy:

- The Sun provides us with two different forms of energy: **heat** and **light energy**.
- Energy from the Sun is called **solar energy**.
- Plants use **solar energy** for **photosynthesis**.
- A car moves because of the **chemical energy** found in fuel.
- The energy when a body is **moving** is called **kinetic energy**.
- A radio works with **electrical energy**.
- The swing moves using **mechanical energy**.
- The cook is using **fire (heat energy)**.
- Kites fly due to **wind energy**.

*Send me your homework here, please:*

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Thank youuuuu!!!!