

UNIT 6: ENERGY, CHANGE AND MACHINES

→ Watch this video about **physical and chemical changes**: <https://youtu.be/x49BtB5dOwg>

1. What's the definition of 'physical change' in the video?

A physical change is something that changes the physical properties of a substance, as size, shape or form.

2. Examples of physical changes in the video:

Examples of physical changes in the video are cutting a piece of cloth, changing states of matter (ice becomes water, water turns into vapour...), mixing water with sugar, and mixing butter, sugar, flour and eggs.

3. What's the definition of 'chemical change' in the video?

A chemical change always forms a new substance, can absorb or release heat, and may change colour, produce odour, create sound, release gas or produce light.

4. Examples of chemical changes in the video:

Examples of chemical changes are when you burn wood, metal rusting, fireworks exploding, fruit ripening and digesting food.

→ Make a diagram about **types of forces**.

An example of this diagram may be this one:

