

FAST FOUR - LIGHT HEAT SOUND

The focus of this 'Fast Four' is to encourage your child(ren) to investigate and develop thinking and theories connected to elements of the physical world, such as light, heat and sound.

This 'Fast Four' pack provides an opportunity to explore the natural forces of heat, light and sound and the variety of reasons why people use these forces.



FAST FOUR

'Fast Four' is quick thinking task that enables you and your child(ren) to generate ideas and discuss them with others.

The task can be used as a warmup before another task or as a reflection after a task or at the end of the day. It could also be a fun mealtime option.

You and your child(ren) select a fast four card from the pile/screen. Your child(ren) can choose to do the task and/or record ideas in way that makes sense to them. It can also be done in pairs or as a small group. Your child(ren) need to discuss and play a part in the recording of ideas generated.

It is up to the family or group to decide if they would like your child(ren) to share or display their ideas for other family members via digital communities.

It is worthwhile walking around and listening to ideas being generated as they can provide a quick glimpse into thinking, misconceptions, and connections being made as a result of the the focus of the fast four topics.

Fast Four - Light Heat Sound

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Work out the four best ways for you to collect and record data.



Fast Four - Light Heat Sound

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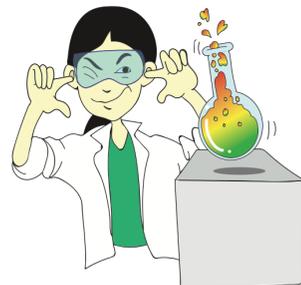
Describe four ways to represent ideas or processes.



Fast Four - Light Heat Sound

FAST FOUR

Name four ways people can make things move.



Fast Four - Light Heat Sound

FAST FOUR

Name four ways people can make things change.



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FAST FOUR

List four ways people use light everyday.



Fast Four - Light Heat Sound

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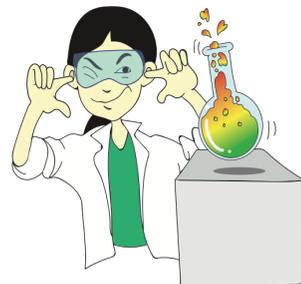
Describe four reasons people need heat in their lives.



Fast Four - Light Heat Sound

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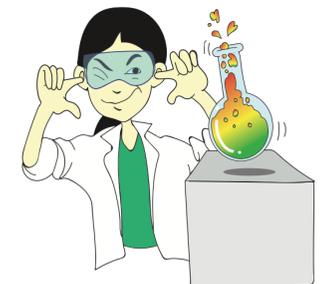
Think of four different ways to make sound.



Fast Four - Light Heat Sound

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Name four things that use light as a source of energy or to make something work.



Fast Four - Light Heat Sound

FAST FOUR

Name four things that use heat as a source of energy or to make something work.



Fast Four - Light Heat Sound

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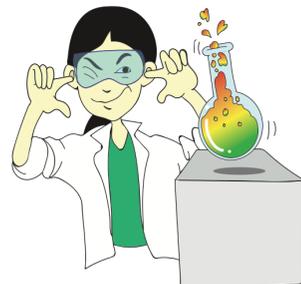
Name four things that use moving parts as a source of energy or to make them work.



Fast Four - Light Heat Sound

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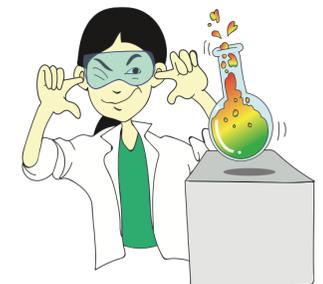
Describe four things you know about force and/or movement.



Fast Four - Light Heat Sound

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Identify four sources of light.
Think about four ways people can change light.



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FAST FOUR

Identify four sources of heat.

Think about four ways people can change how hot or cold something is.



Fast Four - Light Heat Sound

FAST FOUR

Identify four sources of sound.

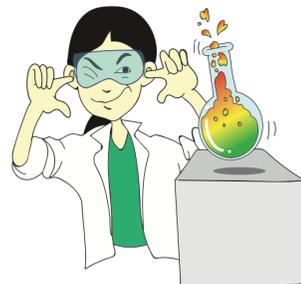
Think about four ways people can change or make different sounds.



Fast Four - Light Heat Sound

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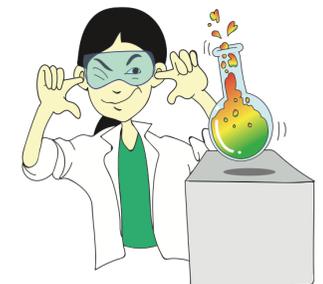
Think of four things in the natural world that need light, or the energy light can create.



Fast Four - Light Heat Sound

FAST FOUR

Think of four things in the natural world that need heat, or the energy heat can create.



Fast Four - Light Heat Sound

FAST FOUR

Think of four things in the natural world that produce sound, or the energy sound can create.



Fast Four - Light Heat Sound

FAST FOUR

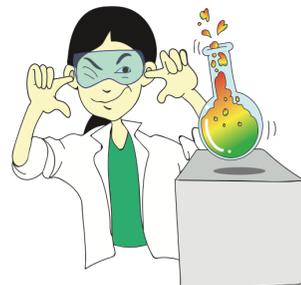
Describe four things that light can pass through.



Fast Four - Light Heat Sound

FAST FOUR

Give four examples of things light cannot pass through.



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FAST FOUR

Think of four ways to classify an object using ideas connected to light, heat or sound.



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FAST FOUR

Give four examples of things that will change when heated.



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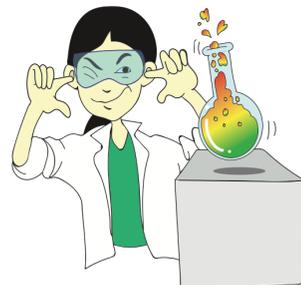
Give four examples of things that will not change when heated.



Fast Four - Light Heat Sound

FAST FOUR

Give four examples of things that might move because of sound.



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FAST FOUR

Name four things that could not be used to make sound.



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