

# Light Bulbs, pp 6, 7

Jump, December 2022

1. Fill in: *heat, light, to heat, to glow, to burn, to melt.*

- a. \_\_\_\_\_ means to make something very warm.
- b. \_\_\_\_\_ is the energy that comes from hot things.
- c. \_\_\_\_\_ is the energy that comes from the sun or lamps, and it helps us see things.
- d. \_\_\_\_\_ means to produce light.
- e. \_\_\_\_\_ means to be on fire.
- f. \_\_\_\_\_ means to change from a solid to a liquid, for example ice becomes water.

2. Match A to B to make sentences. Then listen and check.

**A**

**B**

Electricity heats ...

heat and light.

Tungsten is ...

that it starts to glow.

The tungsten wire is so hot ...

a tungsten wire.

The electric energy turns into ...

burn.

Air makes hot things ...

a metal that doesn't melt even when it's very hot.

3. Complete the table.

the activity	the person who does the activity	the result of the activity
to decorate	decorator	decoration
to invent		

4. Listen and fill in the gaps.

Who is the \_\_\_\_\_ of the light bulb?

In England, Joseph Wilson Swan shows his \_\_\_\_\_, a light bulb, in 1878. In the USA,

Thomas Alva Edison shows his light bulb to the public in \_\_\_\_\_. They both have patents for

their bulbs. The \_\_\_\_\_ in their bulbs is not made of tungsten. Inside the \_\_\_\_\_,

there's a vacuum, \_\_\_\_\_ inert gas.

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## SOLUTIONS

1. Fill in: *heat, light, to heat, to glow, to burn, to melt.*

- To heat** means to make something very warm.
- Heat** is the energy that comes from hot things.
- Light** is the energy that comes from the sun or lamps, and it helps us see things.
- To glow** means to produce light.
- To burn** means to be on fire.
- To melt** means to change from a solid to a liquid, for example ice becomes water.

2. Match A to B to make sentences. Then listen and check.

**A**

**B**

- Electricity heats ... → heat and light.  
Tungsten is ... → that it starts to glow.  
The tungsten wire is so hot ... → a tungsten wire.  
The electric energy turns into ... → burn.  
Air makes hot things ... → a metal that doesn't melt even when it's very hot.

3. Complete the table.

the activity	the person who does the activity	the result of the activity
to decorate	decorator	decoration
to invent	inventor	invention

4. Listen and fill in the gaps.

Who is the **inventor** of the light bulb?

In England, Joseph Wilson Swan shows his **invention**, a light bulb, in 1878. In the USA, Thomas Alva Edison shows his light bulb to the public in **1879**. They both have patents for their bulbs. The **wire** in their bulbs is not made of tungsten. Inside the **bulb**, there's a vacuum, **not** inert gas.