

Gummy bombs

Material:

- Universal support;
- Lamp;
- Matches;
- Gloves;
- Potassium chlorate(KClO_3);
- Gummies.

Procedure:

Place a little potassium chlorate in a test tube suspended in a universal support.

Heat the base of the tube with the flame of a lamp until the salt has completely melted.

Add a piece of gum and observe.

Explanation:

Potassium chlorate decomposes into potassium chloride and oxygen when exposed to heat.

Then, the sucrose contained in the gums undergoes combustion by the action of oxygen released in the previous reaction, releasing energy in the form of heat and light.