

FIREWORKS

http://www.youtube.com/watch?v=0Mbf1Pfl_2U

1. Watch the film and choose the right answer:

a. Potassium nitrate is used:

- 1) to produce red colour
- 2) as a fuel
- 3) to make black powder

b. is used in a lot of colour compositions.

- 1) Sulfur
- 2) Potassium perchlorate
- 3) Magnesium powder

c. To produce heat we need:

- 1) only a fuel
- 2) a fuel and an oxidizer
- 3) an aerial shell and sulfur

d. The aerial shell doesn't include:

- 1) a black powder propellant
- 2) a time fuse
- 3) strontium nitrate

2. Complete the sentence:

We produce colours using the effect that different chemicals heated at get rid of this energy meeting very specific

3. Match the substances with the colour that they produce:

- | | |
|-----------------------|-----------|
| a. copper oxide | 1. yellow |
| b. strontium chloride | 2. blue |
| c. sodium silicate | 3. green |
| d. calcium nitrate | 4. red |
| e. barium acetate | 5. yellow |

4. True or false?

- a. To produce colour you start with a burning mixture.
- b. A burning mixture contains a fuel and a colour component.
- c. Blue is the hardest colour to produce.
- d. A red flame composition from strontium nitrate has a very bright flame because it produces heat.
- e. A white sparks effect is produced by a base mixture and potassium nitrate.