

FLUORINE

<http://www.youtube.com/watch?v=vtWp45Eewtw>

1. Watch the film and answer the questions:

- What is the name of the professor, who is the one of the countries specialists in fluorine chemistry?
- Which elements doesn't fluorine react with?
- When can you see the colour of fluorine properly? What colour is it?
- Why can't you use glass vessels with fluorine?
- Why the equipment made of nickel is appropriate?
- Why does fluorine make such strong bonds?
- Which groups does apatite contain?
- What happens if you brush your teeth with fluorides?

2. Fill the gaps using the following words:

reactive enamel sodium chloride rusted pale green rusty glass vessels cool cold
charcoal bright red scouring pad sulphur tetrafluoride -196°C

- The reason that people know about fluorine is that it is one of the really elements.
- Platinum hexafluoride is as it's a gas.
- Ok, so now I'm going to this down with liquid nitrogen to
- I'm really surprised, I thought it would be and it's dark yellow.
- It's metal, iron wool.
- The iron looks as if it's but the color is actually iron fluoride.
- This is and cold gas, and the gas just touching it.
- You can't use it in
- You are going to oxidize the sulphur, probably to
- Your toothpaste contains fluoride and just in the same way that you can use, table salt which contains chlorine, you can use fluorides.
- The of your teeth is a compound of calcium called apatite.