

FOOL'S GOLD

http://periodicvideos.com/videos/feature_fools_gold.htm

1. Watch the film and complete the sentences:

- a. We are going to talk about a compound that's called 'fool's gold'.
- b. (...) and you can see, I've got a here.
- c. In the right light the crystals really do and look rather like gold.
- d. In those days, of course people travelled by train, so you could bring back a whole box of stones, without your baggage allowance.
- e. Crystals like these are iron sulfide which is made by the reaction of iron and sulphur. Iron is, as you know, a silvery-black and sulphur is yellowish
- f. When you this together there is a reaction and it forms iron sulfide.

2. Decide: true or false?

- a. When the reaction of forming iron sulfide takes place in the underground it is usually black.
- b. A different name for fool's gold is iron pyrite.
- c. After putting a small amount of acid on real gold, you'll detect a nasty smell.

3. Answer the questions:

- a. What are the differences between real and fool's gold in terms of:
 - chemical properties
 - colour
 - density
- b. Does the professor believe that his parents bought that gold thinking it's real?
- c. Why did the professor's parents bring that fool's gold as a gift for him?

