



## Hair Gel Activity

### 1) You are now going to make your own hair gel.

- ! Wear eye protection
- ! Wash your hands carefully before and after the experiment
- ! Before the mixture is applied, teachers should ensure that students do not have any known allergies to the individual ingredients
- ! Do not store the mixture if you are not going to use it in the lesson
- ! Dispose of it carefully
- ! Do not swallow ingredients

## Hair Gel

### You will need

- 1 ½ cups warm water
- 1 pkt unflavoured gelatine
- 1 tsp glycerine
- 1 tsp almond oil
- ¼ tsp almond extract (optional, scent only)
- Glass beaker
- Glass stirring rod
- Eye protection/goggles

### Method

- a) Combine the warm water and gelatine – stir until dissolved and be careful not to splash.
- b) Add other ingredients – stir until everything is blended together.
- c) Refrigerate until it's almost set.
- d) Mix again and refrigerate.
- e) Remove when firm.
- f) When it has reached room temperature it is ready to use

**If your teacher says you can use this mixture, then apply a little to a section of your hair**

- 4) Think about your experiment and try to find out how much it differs from commercially made gel. Make a note of the similarities and differences between what you did and how it is done when in mass production.

### **Think about**

- The scale of the operation
- What additives and preservatives are used in industry
- How long will your gel last compared to an commercially made one
- The look and performance of the finished mixture

### **Research hair structure on the web**

[http://www.catie.org.uk/face\\_value/interactive\\_home.html](http://www.catie.org.uk/face_value/interactive_home.html)