

Reactivity

Lesson 11 - Hazard and Risk

Chemistry - Key Stage 3

Miss Fenner



Which option best describes a hazard?

Option 1

Why something is dangerous.

Option 3

How we can best minimise the danger

Option 2

The equipment/ task that is dangerous.



Which option best describes a risk?

Option 1

Why something is dangerous.

Option 2

The equipment/ task that is dangerous.

Option 3

How we can best minimise the danger



Independent Practice

Match each term to its definition.

Risk

How/ why something is dangerous.

Hazard

How we can reduce the danger.

Safety
precaution

What is dangerous.



Independent Practice

Risk

How/ why something is dangerous.

Hazard

How we can reduce the danger.

Safety
precaution

What is dangerous.



Independent Practice

For each situation, identify the hazard, the risk and suggest a control.

1. Making a cup of tea
2. Cooking pizza in an oven
3. Using a knife to chop some fruit



Independent Practice

1. Hazard- boiling water. Risk- can burn skin.
Control- pour slowly and carefully.
2. Hazard- hot oven. Risk - can burn skin. Control-
wear oven gloves when taking food in and out of the
oven.
3. Hazard- sharp knife. Risk- cutting yourself.
Control- cut downwards onto a chopping board
and don't walk around carrying the knife.



Create a table ready for your risk assessment.

You will need columns for hazard, risk and control.

Make sure you use a pencil and a ruler.

Add a table title.



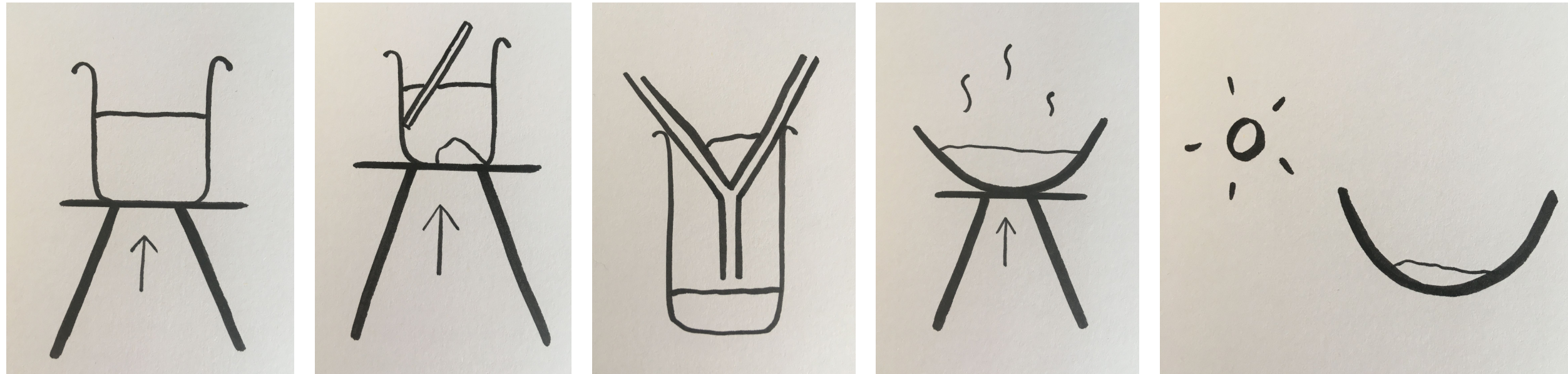
Risk assessment for making a salt.

Hazard	Risk	Control



Independent Practice

Complete your risk assessment for the practical.



Source: Miss Fenner



Independent Practice

Hazard	Risk	Control
Glassware	Smashing and causing cuts	Ensure glassware is far enough on to the bench.
Bunsen Burner	Will get hot and could cause burns	Do not touch when hot. Wait until cool to put away.
Acid	Will cause burns if it gets onto skin.	Pour carefully. If it goes on the skin wash with water immediately and then tell a teacher. Wear goggles.
Hot acid	May spit. Will cause burns if it get onto skin.	Don't allow the acid to boil. Heat gently with a half and half flame and remove the bunsen immediately if the acid begins to boil. Tell a teacher immediately if it goes on skin. Wear goggles.

