



6I).

Keeping a hot drink hot.

Investigate how to best keep a hot drink in a paper cup hot.

A social media influencer suggests that the best way is to just wrap the cup in bubble wrap and not use a lid.

YOU HAVE:

Some paper cups with lids.
A stop clock,
An electronic thermometer.
Bubble wrap, cardboard, felt
Scissors
Sticky tape
Hot water/kettle

SAFETY:

Be careful when handling hot liquids to ensure that you do not scald yourself.
Report any incidents to a leader.

POSSIBLE QUESTIONS TO CONSIDER:

- 1). How can you minimise heat lost by the drink?
- 2). How can you keep all of the tests fair?
- 3). How can you set up a control experiment?
- 4). Which materials are the best insulators?

REPORT.

Prepare to describe to the group:-
the experiments that you did,
what you have discovered,
any general conclusions.

Your report should take 3-4 minutes.

You should be prepared to answer questions from the group.