

Tea Time

Approach: One to one interview

Level: Year 8 & year 4

Resources: Transparent cup; saucer; electric jug; water (boiling); paper towel.

Questions/instructions

I am going to put boiling water in this cup, then put this saucer on top of the cup.

What do you think will happen?

Good prediction

% responses
year 8 year 4

50

18

After the student has answered, put the water into the cup, then the saucer on top.

Lift the saucer off the cup

What do you notice?

Can you tell me why there is water on the bottom of this saucer?

Prompt: How did the water get there?

Uses the term condensation or explains steam when cooled changes to water

59

30

If student has not already used the word 'condensation,' ask:

Do you know a name for what happened?

Knows the term condensation

33

2