mini scientist

THE MAKING OF INVENTION

intel

Worksheet

Conduction

Which materials conducted heat best?
(best conductor will have butter melt fastest).
Rank from best to worst.

1) _____
2) _____
3) _____

How long did it take for the best conductor to totally melt the butter?

_____

Insulator

What materials insulated best? (best insulator stops ice from melting). Rank from best to worst.

1) _____
2) _____
3) _____
4) _____

How long did it take for the ice to melt on the worst insulator? (making it the best conductor!)

_____

Hydro Properties

Which materials absorbed water and which ones did not?

Absorbed	Did not Absorb (Hydrophobic)
_____	_____
_____	_____
_____	_____
_____	_____

Transparency

Put the materials in their relevant categories.

Transparent (lets all light through)	Translucent (lets some through)	Opaque (lets none through)
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Protection

What materials protected the egg and what ones did not?

Protected	Did not protect
_____	_____
_____	_____
_____	_____
_____	_____

Can you think of ways we could make the materials that did not protect better at protecting?

_____

Flexibility

What materials were flexible and what ones were not (rigid)?

Flexible	Rigid
_____	_____
_____	_____
_____	_____

Can you think of things that may impact how flexible or rigid something is?
(Hint: some metals become flexible if we hold them over a fire)

_____