

Investigating insulators and conductors

Materials required:

- Ice cubes
- Different materials e.g. metal, plastic, wood, foam
- Paper towels (to clean up any spillages)

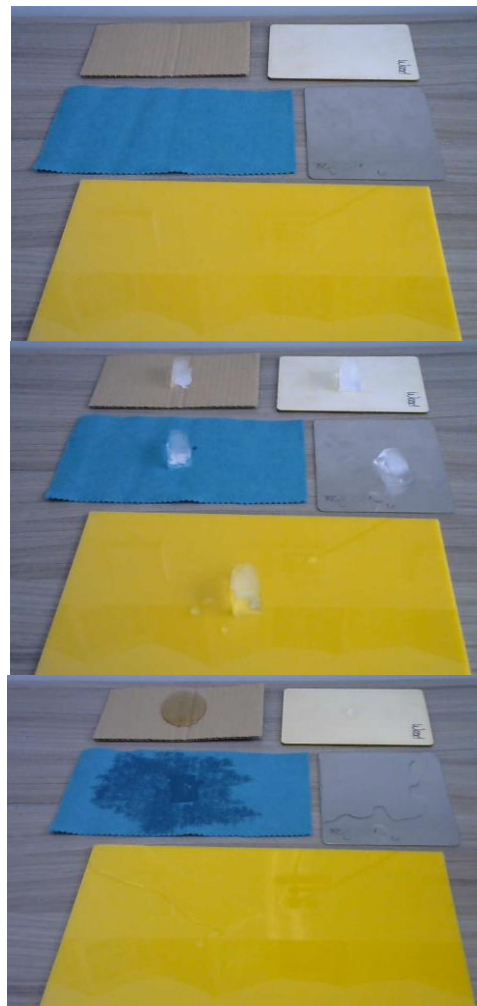
Step by step instructions:

1. Place your materials side by side. Make sure to get a variety of different materials to see the difference.

2. At the same time, place the ice cube on top of the material

3. Observe which ice cube will melt the quickest. You can even measure how long it takes using a stopwatch.

4. Consider what type of materials (insulators or conductors) will cause the ice cube to melt quicker



To explore this concept further:

- Repeat this experiment for a different set of materials
- Repeat this experiment in different conditions such as outside
- Try to combine materials and see what effect this has on the rate of melting of ice cubes