

Name:

Date:

STATES OF MATTER - solids

Activity 6

Let's dilate a solid.

A) You need:

➤ A coin



➤ A clothes peg



➤ Wire



➤ A candle



➤ A ruler



➤ Matches



B) Instructions and diagram:

1. Take the coin and make a ring from the iron wire (you need about 10cm). The coin has to just go through the wire ring.
2. Hold the coin with the clothes peg over the flame for a few minutes.
3. Be careful because the coin is very hot. Try to make the coin go through the wire ring again.

Diagram

C) What happened? _____

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D) Why? _____



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- C) - The coin *went/didn't go* through the wire ring, after putting the coin over the flame for a few minutes.
- D) - Because the heat of the flame *contracted/dilated* the coin.