Name_____**Date**_____ **Pd**____

(Edited version for public review)

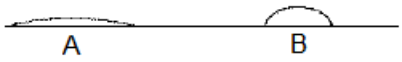
1.1 Act 2 WS 2 How Sticky?

Watch the video at this link (in class or at home):
http://www.middleschoolchemistry.com/multimedia/chapter1/lesson1#water_balloon

1. Why do you think the water keeps its shape the moment the balloon is popped?

2. Imagine a drop of water hanging from your finger. How is this similar to the water staying together after the balloon is popped?

3. Trevor put one drop each of water and rubbing alcohol on a piece of wax paper and drew the results. Decide which of the diagrams shows the rubbing alcohol. How do you know?



4. *Cohesion* is the "sticking together of the *same* substance." Does rubbing alcohol or water demonstrate greater cohesion? How do you know?

5. *Adhesion* is the "sticking together of *different* substances." Should masking tape be described as "cohesive" or "adhesive"? Why?

6. Look at the pictures shown.

a. In which image is *cohesion* stronger than *adhesion*? How do you know?

C

b. In which image is *adhesion* stronger than *cohesion*? How do you know?

D

7. The pictures below show what should have happened during the CREEPY CRAWLIES activity. In each case, explain how ;;;

(Additional materials available in members' resources)