

Name _____

My Hair Lab

A. Pull out a strand of your hair and examine it with a hand lens. You may need to put it on a piece of white or black paper to make it easier to see.

What does the root look like? Choose one.

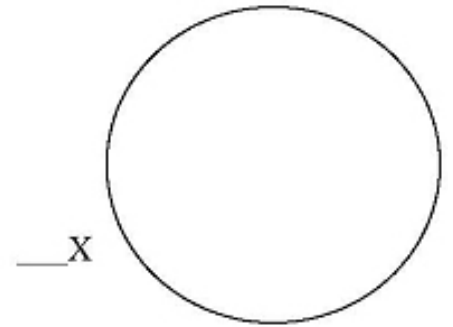
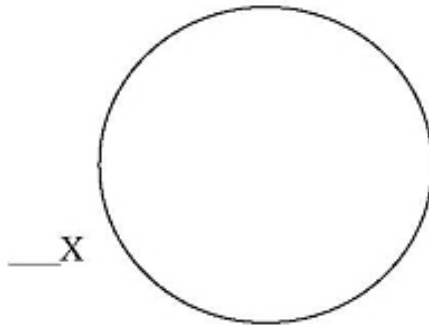
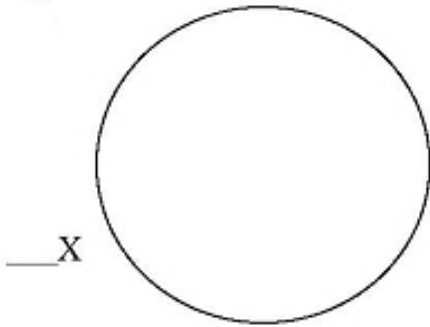
Teardrop Narrow Rounded Pointed Other: _____

What does the tip look like? Choose one.

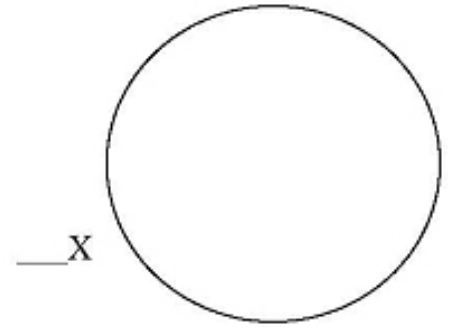
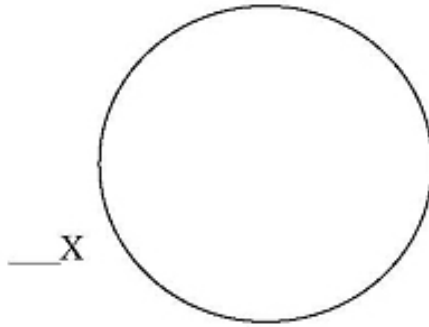
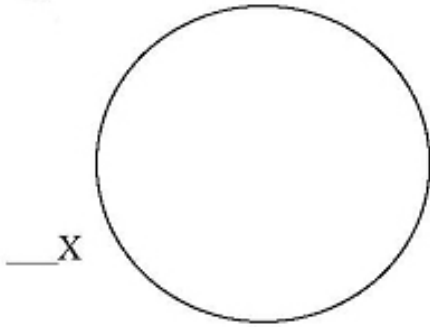
Frayed Smooth Bent Split Other: _____

What color is it? _____ Is the color the same everywhere along the shaft? _____

B. Place your hair on a slide and view the shaft at low, medium, and high power. Draw a sketch in the boxes below.



C. Place your hair on a slide and view the root at low, medium, and high power. Draw a sketch in the boxes below.



D. Locate the three primary structures of your hair and choose the best description for each feature.

Cuticle Scales	<input type="checkbox"/> Flat and smooth	<input type="checkbox"/> Protruding or spiky	<input type="checkbox"/> Other: _____
Cortex Thickness	<input type="checkbox"/> Thick	<input type="checkbox"/> Thin	
Cortex Color	<input type="checkbox"/> Same color throughout	<input type="checkbox"/> Different colors – Explain: _____	
Medulla Style	<input type="checkbox"/> Broken	<input type="checkbox"/> Continuous	
Medulla Thickness	<input type="checkbox"/> Thick	<input type="checkbox"/> Thin	
Medulla Transparency	<input type="checkbox"/> Transparent	<input type="checkbox"/> Semi-transparent	<input type="checkbox"/> Opaque

E. Compare your hair sample to one from a classmate. How is it similar? How is it different?