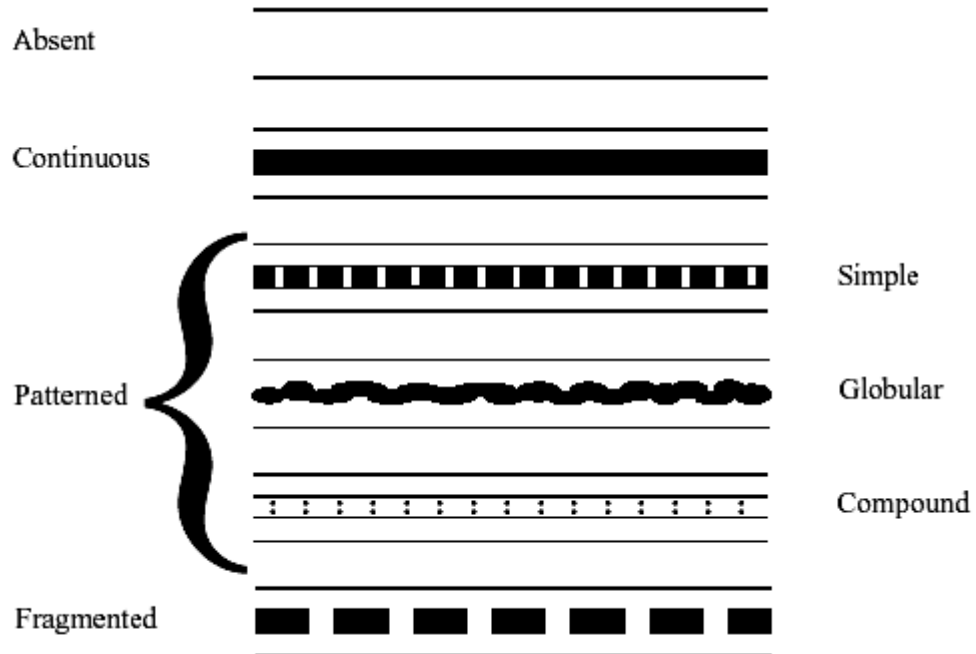
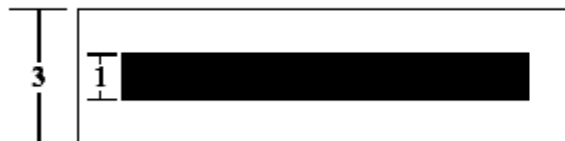


Forensic Examination of Hair Samples – Data Sheet

Types of Medulla



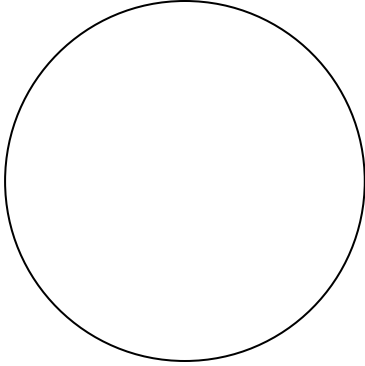
Calculation of Medullary index



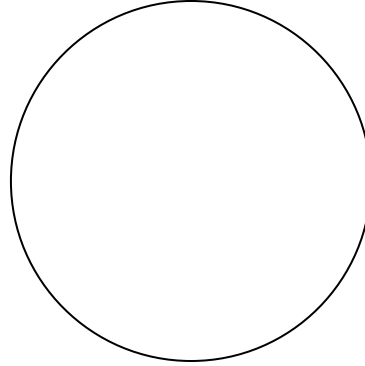
$$MI = \frac{\text{width of medulla}}{\text{width of cortex}} = \frac{1}{3}$$

Animal Hair: _____

Low Power: _____



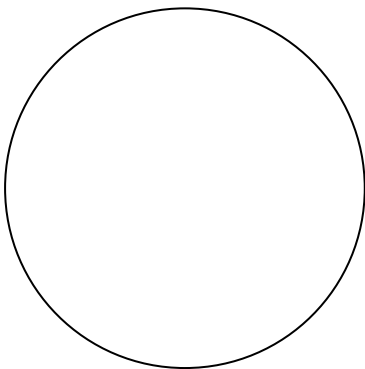
High Power _____



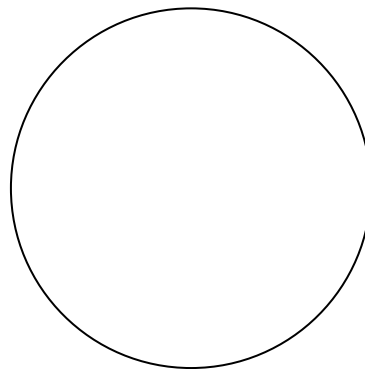
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Animal Hair: _____

Low Power: _____



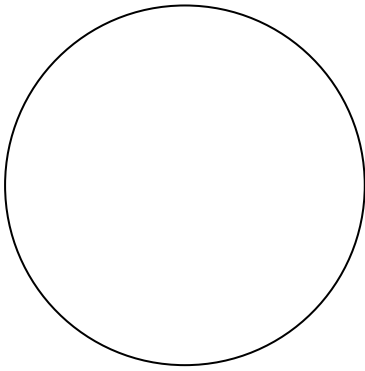
High Power _____



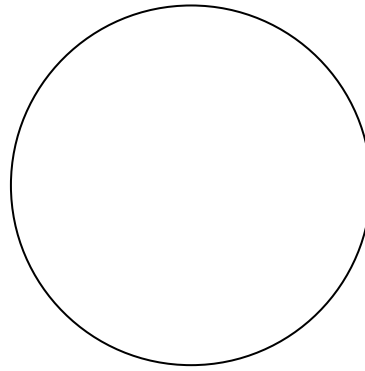
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Animal Hair: _____

Low Power: _____



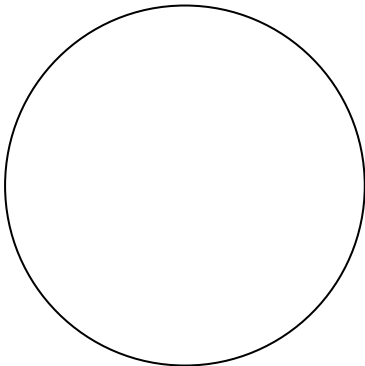
High Power _____



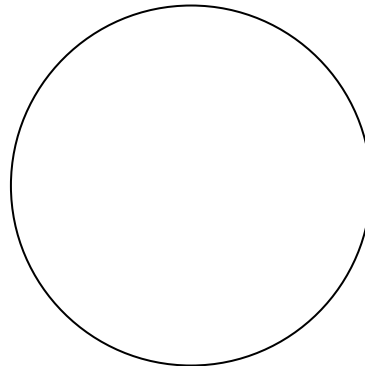
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Animal Hair: _____

Low Power: _____



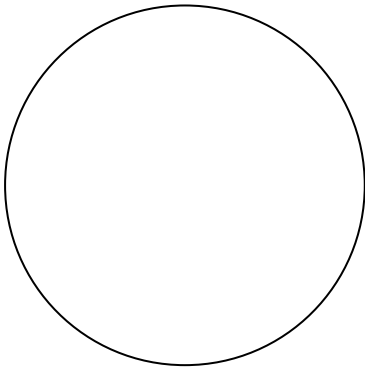
High Power _____



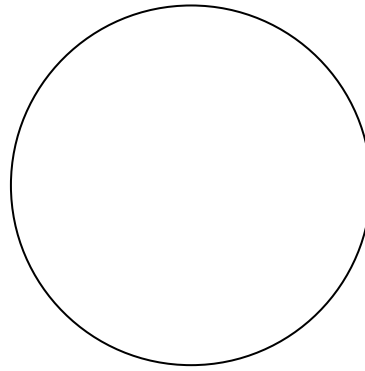
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Animal Hair: _____

Low Power: _____



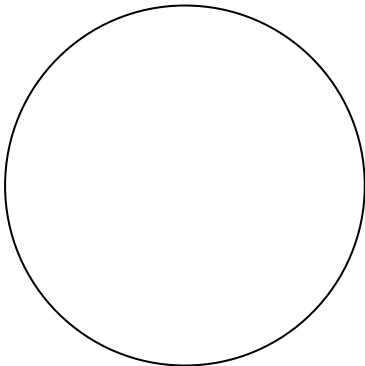
High Power _____



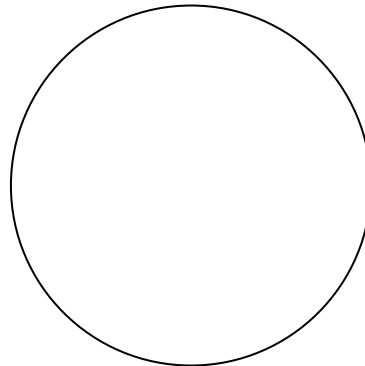
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Animal Hair: _____

Low Power: _____



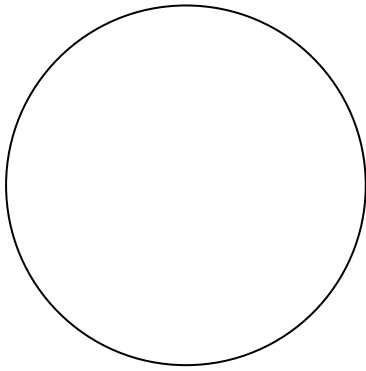
High Power _____



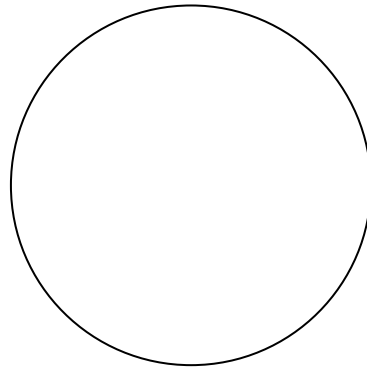
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Human Hair: _____

Low Power: _____



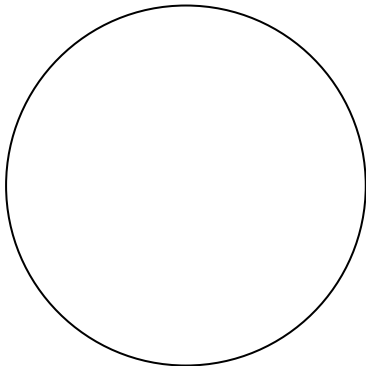
High Power _____



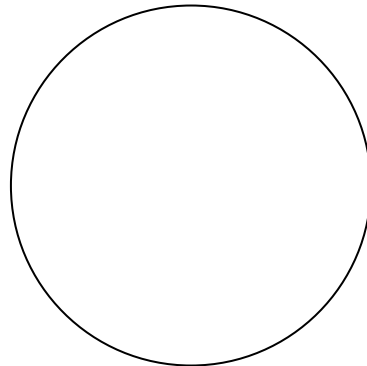
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Human Hair: _____

Low Power: _____



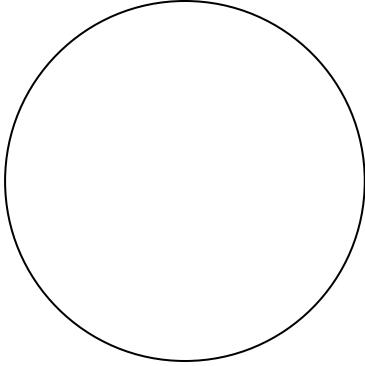
High Power _____



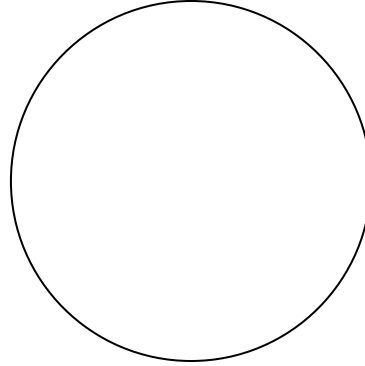
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Human Hair: _____

Low Power: _____



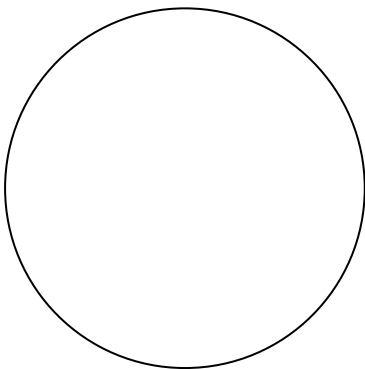
High Power _____



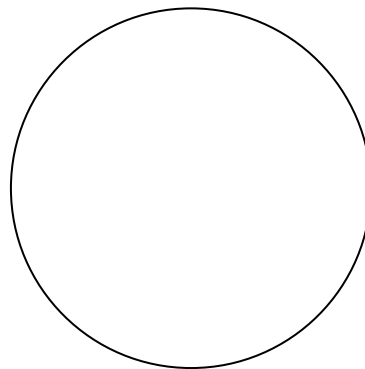
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Human Hair: _____

Low Power: _____



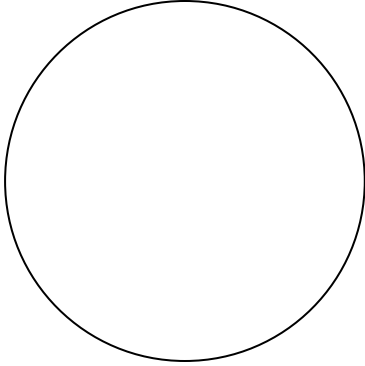
High Power _____



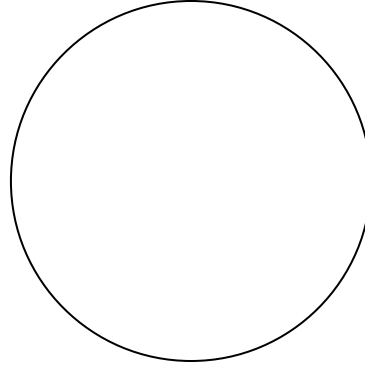
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Unknown Hair 1: _____

Low Power: _____



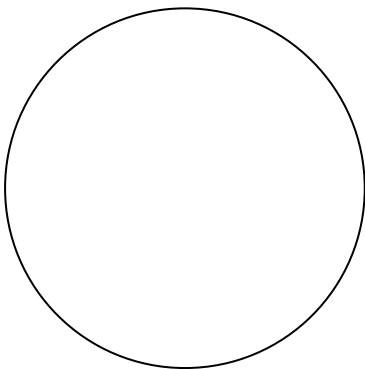
High Power _____



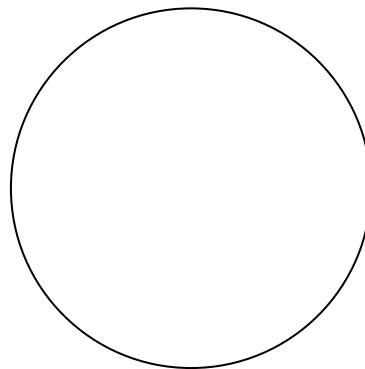
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Unknown Hair 2: _____

Low Power: _____



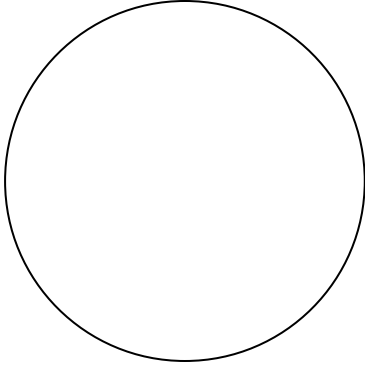
High Power _____



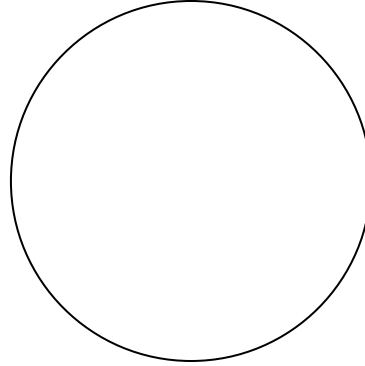
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Unknown Hair 3: _____

Low Power: _____



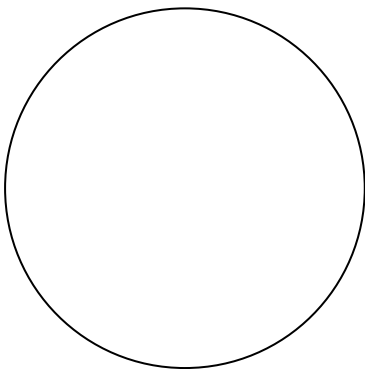
High Power _____



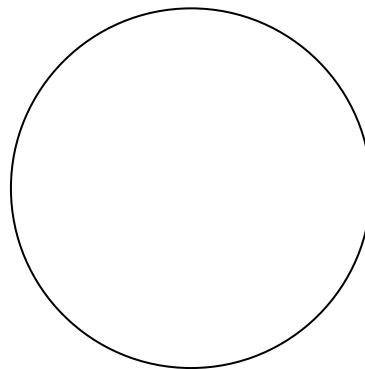
Medulla Type		Medullary Index	
Cuticle Scale type			
General Characteristics:			

Scale Cast - Human Hair: _____

Low Power: _____



High Power _____



Cuticle Scale type	
General Characteristics:	

Unknown Hair 1: _____

Identity	
Justification:	

Unknown Hair 2: _____

Identity	
Justification:	

Unknown Hair 3: _____

Identity	
Justification:	

Questions and Analysis

1. What is meant by the term class evidence?

2. What are the characteristics of the cuticle and medulla best used for?

3. When do hair follicles develop in humans?

4. What are the names and colors of the two main types of hair pigment?

5. What is the name of the main protein molecule found in hair?

6. What other body structures contain the protein described in #5?

7. When making a scale cast, why is it important to not move the hair (once it is embedded) until after the polish is dry?

8. Sketch and name the three major types of cuticle scales.

Scale Type:	

Scale Type:	

Scale Type:	