

A dichotomous key can be used to identify unknown organisms.

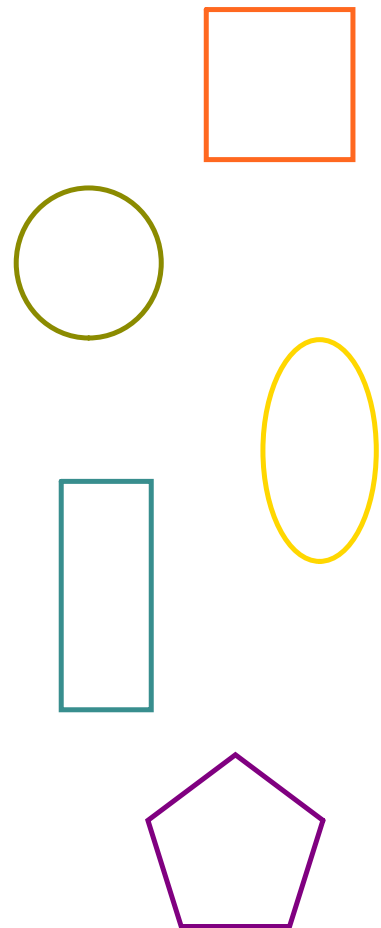
1. Divide objects into two groups by a single contrasting feature.
  - start general and get more specific
  - try to use opposites
2. Continue to divide each group until each item is by itself.

1. corners . . . . . go to 2  
no corners . . . . . go to 3

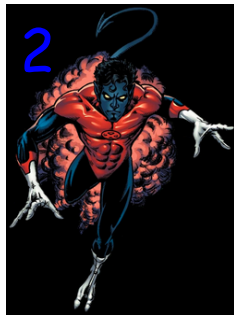
2. 4 corners . . . . . go to 4  
5 corners . . . . . pentagon

3. round . . . . . circle  
elongated . . . . . oval

4. box . . . . . square  
elongated . . . . . rectangle



Use the pictures of the X-Men to practice using a key before making your own to identify the hockey players.



In pairs, use the key to discover your character's name.

<b>Step 1</b>	<b>Appears to be female... go to step 2</b>
	<b>Does not appear to be female...go to step 3</b>
<b>Step 2</b>	<b>Has white hair...go to step 4</b>
	<b>Does not have white hair... step 5</b>
<b>Step 3</b>	<b>Has wings...Angel</b>
	<b>Does not have wings...go to step 6</b>
<b>Step 4</b>	<b>Wears a cape...Storm</b>
	<b>Does not wear a cape...Rogue</b>
<b>Step 5</b>	<b>Has blue skin...Mystique</b>
	<b>Does not have blue skin...Phoenix</b>
<b>Step 6</b>	<b>Has obvious claws...go to step 7</b>
	<b>Does not have obvious claws...go to step 8</b>

<b>Step 7</b>	<b>Walks upright...Wolverine</b>
	<b>Does not walk upright...go to step 9</b>
<b>Step 8</b>	<b>Has a tail...Nightcrawler</b>
	<b>Does not have a tail...go to step 10</b>
<b>Step 9</b>	<b>Has blue fur...Beast</b>
	<b>Does not have blue fur...Sabretooth</b>
<b>Step 10</b>	<b>Wears a helmet...Magneto</b>
	<b>Does not wear a helmet...go to step 11</b>
<b>Step 11</b>	<b>Is paralysed from the waist down...Xavier</b>
	<b>Is not paralysed from the waist down...go to step 12</b>
<b>Step 12</b>	<b>Wears eye protection...Cyclops</b>
	<b>Does not wear eye protection...Iceman</b>



12. How was the introduction of classification keys a major contribution to taxonomy?
13. Explain how a classification key is organized?