A. Do online search for the following queries, based on ages of fossils, in millions of years ago (mya) and the source (website) of that info:

1. When did the earliest fish first appear? __________________________ Source:_____________________________________________________
2. When did the earliest amphibian first appear?____________________ Source:_____________________________________________________
3. When did the earliest reptile first appear? ________________________ Source:_____________________________________________________
4. When did the earliest dinosaur first appear? ______________________ Source:_____________________________________________________
5. When did the earliest mammal-like reptile first appear? __________ Source:_____________________________________________________
6. When did the earliest mammal first appear? ______________________ Source:_____________________________________________________
7. When did the earliest bird first appear? __________________________ Source:_____________________________________________________
8. When did the earliest human first appear? ________________________ Source:_____________________________________________________

B. Back in class, compare the times found for each group. If there are differences, discuss why those differences might exist.

C. Below is part of a geological time scale of the past 600 million years (mya). Rotate this page 90° to the left, so the "Now" is at the top. With a sharp pencil, mark and label when each of the above groups first appeared. Label each: "first ________". Did anything surprise you when you did this? If so, what was it? (Answer on back.)

<table>
<thead>
<tr>
<th>600</th>
<th>500</th>
<th>400</th>
<th>300</th>
<th>200</th>
<th>100</th>
<th>Now</th>
</tr>
</thead>
</table>

D. We find that the fossils of the earliest member of each group (above) had many features very similar to those in the previously existing group. What does this suggest about where each group came from?

E. Some people assume that all life forms first appeared at about the same time. What does the fossil evidence suggest about that idea?