

Name: _____ Date: _____ Period: _____

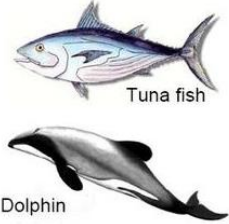
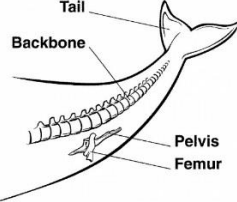
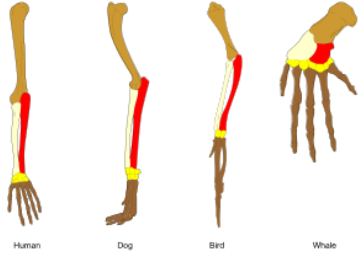
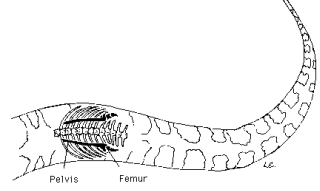

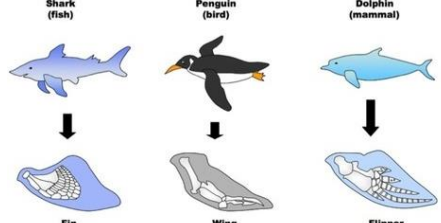
Using Anatomical Structures to Show Common Ancestry

The study of comparative anatomy provides evidence for evolution. After completing the lab, Define the following terms and use your knowledge to identify the following structures.

Homologous structures –

Analogous structures –

Vestigial structures –

	Homologous	Analogous	Vestigial
 <p>Tuna fish</p> <p>Dolphin</p>			
 <p>Tail</p> <p>Backbone</p> <p>Pelvis</p> <p>Femur</p>			
 <p>Human</p> <p>Dog</p> <p>Bird</p> <p>Whale</p>			
 <p>Pelvis</p> <p>Femur</p>			
			
 <p>Shark (fish)</p> <p>Penguin (bird)</p> <p>Dolphin (mammal)</p> <p>Fin</p> <p>Wing</p> <p>Flipper</p>			

	Homologous	Analogous	Vestigial
<p>External surface Skeletal structure</p> <p>Reduced hind legs</p>			
<p>Hedgehog (mammal) Cactus (plant)</p> <p>Sea urchin (invertebrate)</p> <ul style="list-style-type: none"> • not related • different structure 			
<p>Human intestine</p> <p>Vermiform appendix</p>			
<p>Human pelvis</p> <p>Coccygeal tail vertebrae</p>			
<p>Whale Frog Horse Lion Human Bat Bird</p>			
<p>Upper impacted wisdom tooth</p> <p>Lower impacted wisdom tooth</p>			
<p>Panda Chimpanzee Human Gorilla</p>			

Which type of structure is also evidence of divergent evolution? _____

Which type of structure is also evidence of convergent evolution? _____