

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Your Inner fish

- 1) What is Neil Shubin (the narrator) looking for?
- 2) What job does Neil have?
- 3) Fish were the first creatures with what trait?
- 4) When did the first mammals show up?
- 5) Sir Richard Owen was the first scientist to notice what skeletal pattern?
- 6) Instead of limbs fish have what?
- 7) Where did the paleontologists go for their first expedition?
- 8) What type of environment was the Canadian Arctic hundreds of millions of years ago?
- 9) In the early stages of development, all animals begin as what?
- 10) If you look at a fish and human embryo side by side, how similar do they look?
- 11) What does Molly possess that most humans do not?
- 12) Where are fish gonads located?
- 13) What is Sonic Hedgehog responsible for?
- 14) How many fingers do people in the Hubbard family have?
- 15) How far back can we trace the Sonic Hedgehog gene?
- 16) What does the name *Tiktaalik* mean?
- 17) Who was the first to predict that an animal like *Tiktaalik* would exist?
- 18) What features does *Tiktaalik* have that fish typically do not?
- 19) What type of exercise could *Tiktaalik* do that other fish cannot?
- 20) What is the piece of anatomy that changed the world?

**Analysis Questions:**

21) If a person wanted their child to have 6 fingers on each hand, explain how you think a doctor would be able to accomplish this.

22) *Tiktaalik* is a great example of a transitional animal that is in between a fish and an amphibian. Predict what the transitional animal that is between a reptile and a mammal might have been like. What features did it have that are mammalian, what features did it have that were reptilian? Draw a picture of what you think it looked like.