

**PROJECT 2: Design a “disputable statement” for each chapter. After reading the chapter, students will be asked to consider the statement and dispute it using the text.**

**Find two quotes from the chapter that dispute the disputable question. Include the page and paragraph where the quote can be found.**

#### **Chapter 1: Finding Your Inner Fish**

Dispute: Most living organisms fossilize after death, so fossils in exemplary condition are easily found all over the world.

#### **Chapter 2: Getting a Grip**

Dispute: Humans and fish are nothing alike: we have hands with fingers, they have fins.

#### **Chapter 3: Handy Genes**

Dispute: Each cell in a human body contains a unique set of DNA. This allows some cells to build muscle or skin and some cells to become arms versus fingers.

#### **Chapter 4: Teeth Everywhere**

Dispute: Teeth evolved through time, after bones, as they became a beneficial adaptation for protection against predation.

#### **Chapter 5: Getting Ahead**

Dispute: Humans and sharks both have four gill arches as embryos, but the germ layers and arches develop into unrelated structures in each organism.

#### **Chapter 6: The Best-Laid (Body) Plans**

Dispute: Scientists work in isolation: it is counter-productive to repeat another scientist’s experiments or to consider research that is not directly related to the organism you are studying.

#### **Chapter 7: Adventures in Bodybuilding**

Dispute: All tissues in the human body are made of similar cells that connect to each other in similar fashion.

#### **Chapter 8: Making Scents**

Dispute: There are few genes dedicated to olfactory sense and they are similar in all organisms capable of detecting smell.

#### **Chapter 9: Vision**

Dispute: All organisms with vision have similar eyes and similar vision genes.

#### **Chapter 10: Ears**

Dispute: In humans, eyes and ears function independently of one another; sensation in one does not affect sensation in the other.

#### **Chapter 11: The Meaning of It All**

Dispute: Maladies of the human body are not related to our evolutionary past.