

Hole's Human Anatomy & Physiology, 15e (Shier)

Chapter 1 Introduction to Human Anatomy and Physiology

1) Signs of aging at the cellular level are (Select all that apply)

- A) graying hair, waning strength, and wrinkles.
- B) unrepaired DNA and abnormal proteins.
- C) impaired cell division and the ability to break down and recycle worn cell parts.
- D) a fatty liver and clogged blood vessels.

Answer: B, C

Section: 01.07

Topic: Basic terminology

Bloom's: 3. Apply

Learning Outcome: 01.16 Identify changes related to aging, from the microscopic to the whole-body level.

Accessibility: Keyboard Navigation

2) An investigator who conducts an experiment to determine how temperature changes affect the rate at which the heart beats is most likely a(n)

- A) anatomist.
- B) physiologist.
- C) chemist.
- D) biochemist.

Answer: B

Section: 01.02

Topic: Basic terminology

Bloom's: 3. Apply

Learning Outcome: 01.02 Explain how anatomy and physiology are related.

Accessibility: Keyboard Navigation

3) Anatomy and physiology are difficult to separate because

- A) physiological functions depend on anatomical structures.
- B) physiological functions in an organism are ongoing.
- C) body parts take up space.
- D) our understanding of physiology is changing more than our understanding of anatomy.

Answer: A

Section: 01.02

Topic: Basic terminology

Bloom's: 2. Understand

Learning Outcome: 01.02 Explain how anatomy and physiology are related.

Accessibility: Keyboard Navigation

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