# Maintaining Dynamic Equilibrium I — Practice Test

**Nova Scotia Advanced Biology 11 • 10 questions**

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

**1** **The aorta carries blood from the left ventricle to the**

- A body
- B lungs
- C heart muscle only
- D right atrium

Understand It with Pulse | Flag a mistake

2 **The epiglottis prevents food from entering the**

A oesophagus

B stomach

C trachea

D mouth

Understand It with Pulse | Flag a mistake

3 **The hepatic portal vein carries blood from the gut to the**

A heart directly

B liver

C kidney

D lung

Understand It with Pulse | Flag a mistake

4 **The loop of Henle is found in the**

A liver

B lung

C heart

D nephron

Understand It with Pulse | Flag a mistake

5 **The nephron is the functional unit of the**

A liver

B kidney

C lung

D heart

Understand It with Pulse | Flag a mistake

6 **The pancreas releases insulin after a meal when blood glucose**

A rises

B falls to zero

C stays constant

D is absent

Understand It with Pulse | Flag a mistake

7 **The sinoatrial node acts as the heart natural**

A valve

B pump muscle

C filter

D pacemaker

Understand It with Pulse | Flag a mistake

8 **Tidal volume is the air moved in one**

A deep breath only

B minute

C day

D normal breath

Understand It with Pulse | Flag a mistake

9 **Villi increase absorption in the small intestine by increasing**

A surface area

B blood volume

C enzyme amount

D muscle thickness

Understand It with Pulse | Flag a mistake

10 **Vital capacity is the largest volume of air that can be**

A exhaled after a full inhalation

B inhaled in one second

C held in the trachea

D moved by the diaphragm alone

Understand It with Pulse | Flag a mistake

## ANSWER KEY

| | | | | | |
|---|---|---|---|---|---|
| **1.** | A | **5.** | B | **9.** | A |
| **2.** | C | **6.** | A | **10.** | A |
| **3.** | B | **7.** | D | | |
| **4.** | D | **8.** | D | | |

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