

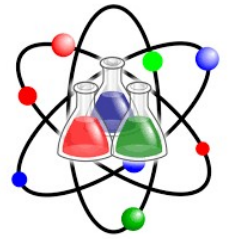
Name: \_\_\_\_\_

Class: \_\_\_\_\_

Total Possible Marks: 14

Biology

# Homeostasis



Science

- \_\_\_\_\_  
6
1. Homeostasis is the (a) \_\_\_\_\_ of the conditions (b) \_\_\_\_\_ the body (and cells) to maintain a (c) \_\_\_\_\_ internal (d) \_\_\_\_\_, in response to (e) \_\_\_\_\_ in both internal and external (f) \_\_\_\_\_.

*regulation  
changes*

*environment*

*stable*

*inside*

*conditions*

- \_\_\_\_\_  
1
2. The automatic systems in the body that form the basis of the need to regulate your internal environment are known as "control systems".

☐ (A) True

☐ (B) False

- \_\_\_\_\_  
4
3. Match the list of automatic responses with the correct definition.

a) \_\_\_\_ stimulus

a) the mechanism that is set into motion when a stimulus is encountered, which restores the body's system levels to the optimum.

b) \_\_\_\_ optimum level

b) systems, usually automatic, which regulate your internal environment.

c) \_\_\_\_ negative feedback

c) conditions are just right at this point.

d) \_\_\_\_ control system

d) a change in the environment of the body which may need to be responded to.

- \_\_\_\_\_  
3
4. Which of the following automatic control systems are "coordination centres" ?

☐ (A) glands

☐ (B) spinal cord

☐ (C) muscles

☐ (D) pancreas

☐ (E) brain