

2. On a summer day, you keep the air conditioner in your room running. Which one among the following is the hot reservoir ( $h$ ) and which the cold reservoir ( $c$ )?

1. the air outside
2. the compartment inside the air conditioner where the air is compressed
3. the freon gas which is the working substance (expands and compresses in each cycle)
4. the air in the room

A.  $h$  (1),  $c$  (2)

B.  $h$  (1),  $c$  (3)

C.  $h$  (1),  $c$  (4)

D.  $h$  (2),  $c$  (1)

E.  $h$  (2),  $c$  (3)

F.  $h$  (2),  $c$  (4)

G.  $h$  (3),  $c$  (1)

H.  $h$  (3),  $c$  (2)

I.  $h$  (3),  $c$  (4)

J.  $h$  (4),  $c$  (1)

K.  $h$  (4),  $c$  (2)

L.  $h$  (4),  $c$  (3)

Ans. \_\_\_\_\_