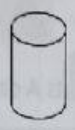
11. Which statement about shadows is incorrect?
(1) A shadow is a region where there is no light.
(2) The shadows of an object can be different in size.
(3) The shadows of an object can be different in shape.
(4) Shadows are formed because light bends around the object. ( )

12. Study the cylinder below.



Which of the following shadows can be formed when light is shone on the cylinder from different positions?

A

B

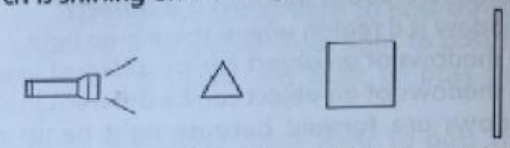
C

D

(1) A and B only (2) A and D only
(3) B and C only (4) C and D only ( )

13. Yana placed a sheet of material X between a torch and a white screen. When the torch was switched on, no shadow was seen on the screen.
Which object can be made using material X?
(1) Spectacle lenses (2) Sunglasses
(3) Curtains (4) Mirrors ( )

14. A torch is shining on two objects as shown below.



The shadow formed on the screen is as shown.

Which materials of objects A and B are correct?

	Material of object A	Material of object B
(1)	Clear plastic	Frosted glass
(2)	Frosted glass	Wood
(3)	Clear plastic	Wood
(4)	Wood	Frosted glass

( )

15. The diagram below shows a purse.

Which of the following shadows **cannot** be formed when light shines on the purse from different directions?

(1)

(2)

(3)

(4)

( )

LIVEWORKSHEETS