MIDTEST Preparation Science 5 Grader

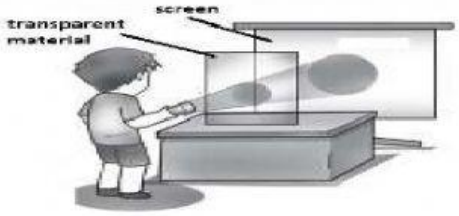
Full Name : _

Class : _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ **Attendance List** : _ _ _ _ _

Bismillahirrahmaanirrahim

Answer the questions based on the instruction given.

1. Hamdan investigate light.



Hamdan points the flash light at the material.

I. What will happen when Hamdan points the flash light at transparent material? Choose one correct answer.

a. The light will be pass through to the screen.

b. The light cannot through the transparent materials.

c. The light will be reflected to hamdan body.

II. Hamdan changed the materials. These are Hamdan's materials.

Glass wood clothes mirror

Hamdan have question, "Are flash light pass through at all materials?". Hamdan identify the material into **transparent, translucent, or opaque material**.

a. Glass : ……..

b. Wood : ……..

c. Clothes : ……..

d. Mirror : ……..

III. Are flash light pass through at all materials? Chose one material

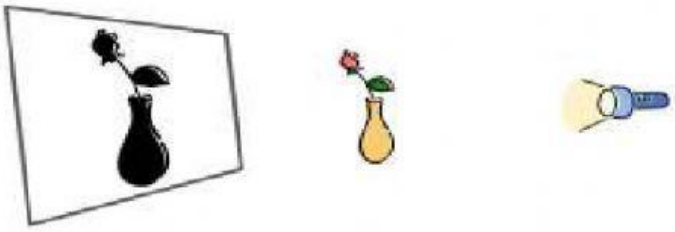
a. Yes, it is b. No, it is not

LIVEWORKSHEETS

2. Light intensity can be measured. Choose one correct answer.
   a. Light intensity measured the brightness of light
   b. Light intensity measured the color of light
   c. Light intensity measured the shade of light
   d. Light intensity measured the temperature of light

3. Answer with **transparent, translucent, or opaque**.
   a. Allow some light to pass through : ……..
   b. Allow no light to pass through : ……..
   c. Allow all light to pass through : ……..

4. Habibi investigate shadows.



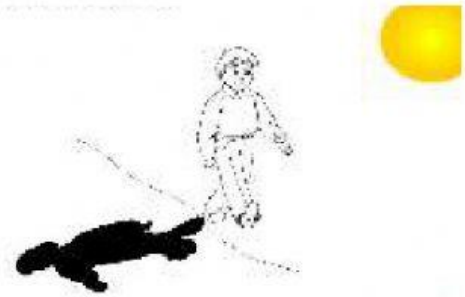
   Habibi moves the pot to make the shadow on the wall bigger. Describe how he moves. Choose one answer.
   - Make the flashlight near to the pot
   - Make the flashlight far away to the pot

5. Draw a line to show object and about the light.

Gives out light	**Stars**
	Mirror
Reflects light	**Candle**
	Glass
Pass throught light	**Car body**

LIVEWORKSHEETS

6. Ali walks in the playground.

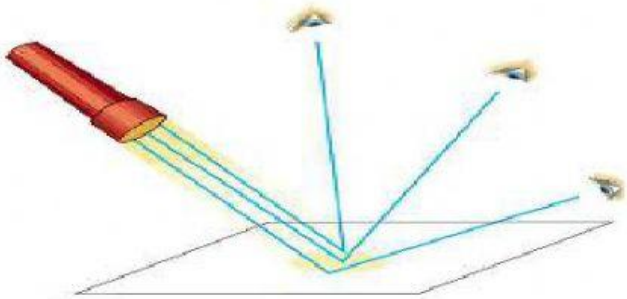


Why does Ali have a shadow?

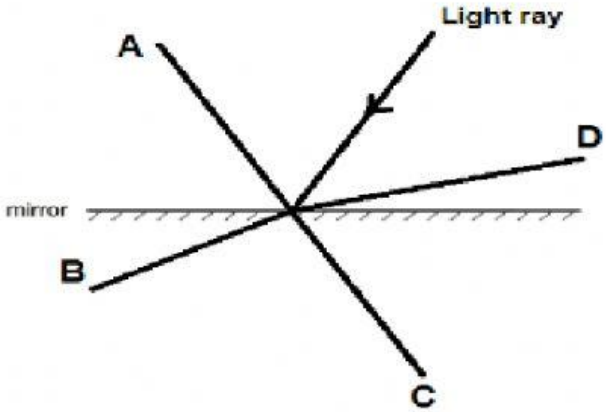
- Ali block the light
- Ali reflected to light
- Ali is translucent

7. Fatih uses a flash light to reflect the light.

   Choose the correct eye that shown light reflection.



8. Here is a light ray hitting a mirror.

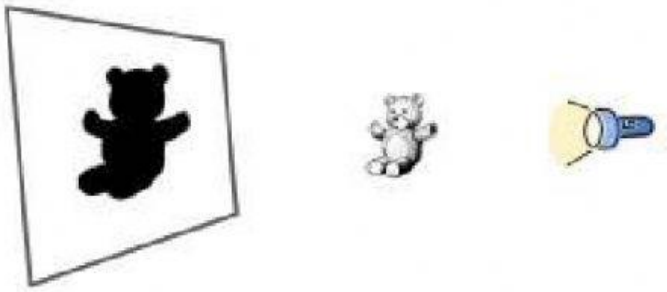


Which letter represents the reflected ray? …..

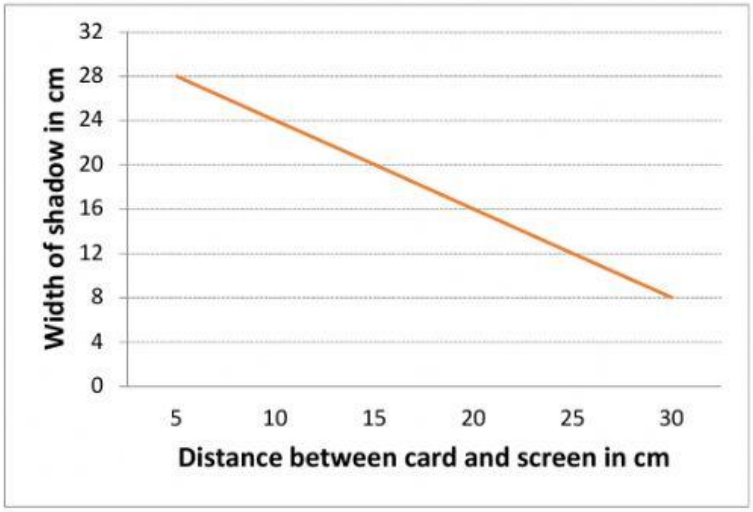
LIVEWORKSHEETS

9. Ahmad and Zahra investigate shadows.

Here is their apparatus.



Here are their results.



Complete the table based on the line graph.

Distance between card and screen in cm	**5**	**...**	**15**	**...**	**...**	**...**
Width of shadow in cm	**28**	**24**	**...**	**...**	**...**	**...**

a. The distance between the card and the screen is 35 cm. What is the width of the shadow? ……..... cm

b. The width of the shadow is 40 cm. What is the distance between the card and the screen? ……..... cm

LIVEWORKSHEETS

10. Look at the picture.

If the light source move to X, the shadow will be on the number

a. 1 c. 3

b. 2 d. 4

11. An area of darkness formed when light is totally or partially blocked is called by … .

12. Light travel in … lines.

13. Decide whether the following light source are **natural or artificial**

1) fire is _____

2) lightning are _____

3) light bulb is _____

4) torches are _____

Alhamdulilah. . . I can do my Science Preparation

LIVEWORKSHEETS