

Name: ..... Date: .....

**THEME 2 – ENERGY AND FORCES.**

Answer the following questions in the spaces provided.

**Unit 5: Light Energy.**

1. Amirah wanted to find the transparency of sheets P, Q and S. the torch light is the source of light and the detector collect the amount of light pass through the sheet. She conducted the experiment as shown in Figure 9 below.

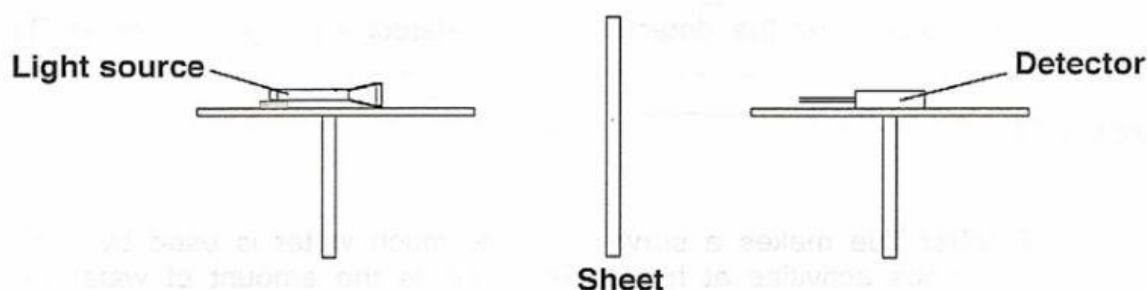


Figure 9

Her results are shown in the Table 3 below.

Sheet	Amount of light detected by the light detector (lux)
P	350
Q	450
R	0
S	100

- a) Based on the result above, which sheet ( P, Q, R or S ) has the highest transparency?

Sheet .....

- b) Give a reason for your answer in part (a) .

.....

c) Suggest **two (2)** things she must keep the same to ensure the result of her experiment will be **fair**.

i. \_\_\_\_\_

ii. \_\_\_\_\_

d) Explain why the detector did not detect any light on Sheet R?

\_\_\_\_\_

[5 marks]

Marks: \_\_\_\_\_ / 5

Percentage: \_\_\_\_\_ %

Parents'/ Guardian's signature : \_\_\_\_\_

Parents'/ Guardian's feedbacks:

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