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.

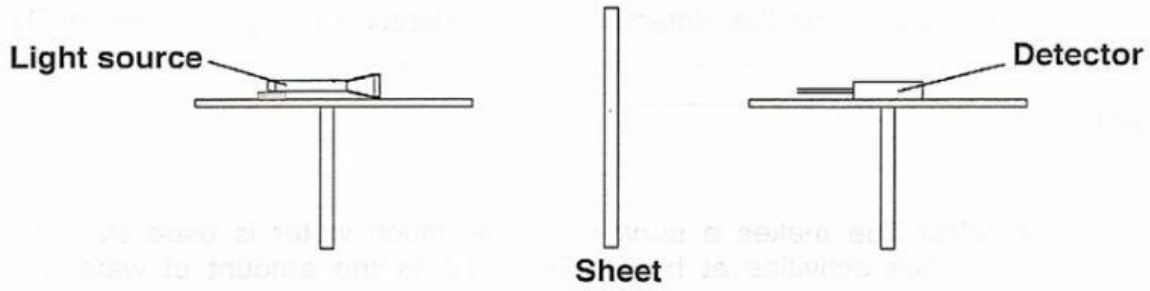


Figure 9

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) .

_____

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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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