



ADUVIE INTERNATIONAL SCHOOL, 08089394474
TERM 2 2023/2024

SUBJECT: BASIC SCIENCE CAT PRACTICE QUESTIONS
CLASS: YEAR 2 SAPPHIRE

1. What is a shadow?
 - a. A bright shape formed by light
 - b. A dark shape formed when an opaque object blocks light**
 - c. A transparent shape created by sunlight
2. Why can't light pass through an opaque material?
 - a. Opaque materials absorb light
 - b. Opaque materials block light**
 - c. Opaque materials reflect light
3. Do transparent objects make shadows?
 - a. Yes**
 - b. No
 - c. Only in certain conditions
4. What is one characteristic of shadows mentioned?
 - a. Shadows have vivid colours
 - b. Shadows can be a different shape than the object**
 - c. Shadows can have details like eyes and nose
5. How does the distance from a light source affect the size of a shadow?
 - a. Closer objects make smaller shadows
 - b. Closer objects make bigger shadows**
 - c. Distance from the light source doesn't affect shadow size
6. When will shadows be longest during the day?
 - a. Noon
 - b. Sunrise and sunset**
 - c. Midnight
7. Why does noon produce the shortest shadows?
 - a. The sun is low on the horizon

b. The sun is directly overhead

c. The sun is high in the sky

8. What does transparent mean?

a. See-through

b. Opaque

c. Dark

9. Give an example of a transparent material.

a. Wooden board

b. Glass

c. Metal

10. What is glass used for?

a. Making shadows

b. Making transparent objects

c. Creating patterns

11. Are glass cups transparent or translucent?

a. Transparent

b. Translucent

c. Opaque

12. What happens when an object is translucent?

a. It becomes invisible

b. Light passes through, but it's scattered

c. It blocks all light

13. Why is glass sometimes patterned (frosted)?

a. To make it opaque

b. To make it translucent

c. To make it transparent

14. Can shadows be made on translucent materials?

a. Yes

b. No

c. Only in specific conditions

15. Which of the following is a translucent material?

- a. Glass**
- b. Metal
- c. Plastic

16. What does the note say about shadows on translucent materials?

- a. Shadows cannot be formed
- b. Shadows can be made**
- c. Shadows are always clear on translucent materials

17. Do shadows have any colour?

- a. No, they are always dark**
- b. Yes, they can be colourful
- c. Shadows can be any colour

18. What is the purpose of transparent materials?

- a. Blocking light
- b. Allowing light to pass through**
- c. Scattering light

19. What is the main reason for using translucent glass?

- a. To make it patterned
- b. To allow some light through but scatter it**
- c. To make it opaque

20. Can you see clearly through translucent glass?

- a. Yes**
- b. No
- c. Only in certain lighting conditions

21. Why do sunrise and sunset produce the longest shadows?

- a. Sun is directly overhead
- b. Sun is low on the horizon**
- c. Sun is setting

22. How does the sun's position affect the length of shadows?

- a. It has no effect

b. Closer to the source, longer shadows

c. Farther from the source, longer shadows

23. Which time of day produces the shortest shadows?

a. Noon

b. Sunrise

c. Sunset

24. What is the primary characteristic of transparent materials?

a. They block light completely

b. They allow light to pass through

c. They create vivid shadows

25. How does transparent glass help us?

a. By blocking our view

b. By making objects invisible

c. By helping us see clearly

26. What is the purpose of making glass translucent sometimes?

a. To make it opaque

b. To scatter light and make it harder to see through

c. To make it transparent

27. What are some examples of transparent objects?

a. Wooden doors

b. Glass cups

c. Metal bars

28. Can light pass-through opaque materials?

a. Yes

b. No

c. Only in certain conditions

29. How are shadows related to the position of an object to the light source?

a. The position doesn't matter

b. Closer objects create smaller shadows

c. Closer objects create bigger shadows

30. Can transparent objects block light completely?

- a. No**
- b. Yes
- c. Only in specific situations