



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 B