**Light and Shadow**

**Unit 3.4 Translucent Material**

Use these words to complete the sentences below.

visor translucent opaque blocked scatter shadow frosted goggles

|  |  |
| --- | --- |
| Light cannot get through the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ material. | Light is scattered by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ material. |
| A dark \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is made when light is blocked. | Light cannot pass when it is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |
| Light is scattered by the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ glass. | Translucent materials will \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light. |
| Wear \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to protect your eyes. | The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ on the helmet will protect your eyes. |

Answer the following questions:

1. Do translucent objects reflect light?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Can you think of any practical uses for translucent materials? Why might we use them instead of opaque materials?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Write three differences between transclucent and transparent objects.

|  |  |
| --- | --- |
| **Transparent Objects** | **Translucent Objects** |
|  |  |
|  |  |
|  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Self-Reflection Criteria**  | **Yes** | **No**  |
| 1 | I can talk about transparent, translucent and opaque materials. |  |  |
| 2 | I can draw a diagram to show how translucent material scatter light.  |  |  |