Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Light 4.3 Pearson 9 Science

*Match the terms to their definitions, by writing the number of the correct definition in the box.*

|  |  |  |  |
| --- | --- | --- | --- |
|  | TERM |  | DEFINITION |
|  | transparent | 1. | Light is completely reflected from boundary of 2 substances eg diamond ring |
|  | translucent | 2. | Line drawn at right angles to a surface that light is incident upon is called the \_\_\_\_\_\_\_\_\_ |
|  | opaque | 3. | A flat mirror |
|  | Speed of light | 4. | Almost all light is transmitted through the substance |
|  | incident ray | 5. | When light bounces back from smooth surface if produces a clear image |
|  | normal | 6. | Image appears to meet at a point inside the mirror |
|  | plane mirror | 7. | Image appears sideways/ left to right reversed |
|  | refraction | 8. | Movement of light wave is approx. 300 000 km per second |
|  | virtual image | 9. | Light is neither reflected or absorbed and no light is transmitted in \_\_\_\_\_\_\_\_\_\_\_\_\_ substance |
|  | total internal reflection | 10. | The incoming ray is called the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ |
|  | reflection | 11. | Bending of light as it passes from one transparent substance to another |
|  | lateral inversion | 12. | Some light is reflected and some light that passes through \_\_\_\_\_\_\_\_\_ substance is scattered Image appears fuzzy. |

Year 9 Science – Physical Sciences

**Year 9 Physics Vocabulary Mini Quiz**

**Light 4.3 Pearson 9 Science**

*Write the correct term on the line next to each definition*

|  |  |  |  |
| --- | --- | --- | --- |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. | Light is completely reflected from boundary of 2 substances eg diamond ring |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2. | Line drawn at right angles to a surface that light is incident upon is called the \_\_\_\_\_\_\_\_\_ |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 3. | A flat mirror |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4. | Almost all light is transmitted through the substance |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5. | When light bounces back from smooth surface if produces a clear image |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 6. | Image appears to meet at a point inside the mirror |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 7. | Image appears sideways/ left to right reversed |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 8. | Movement of light wave is approx. 300 000 km per second |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9. | Light is neither reflected or absorbed and no light is transmitted in \_\_\_\_\_\_\_\_\_\_\_\_\_ substance |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 10. | The incoming ray is called the \_\_\_\_\_\_\_\_ \_\_\_\_ |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 11. | Bending of light as it passes from one transparent substance to another |
|  | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 12. | Some light is reflected and some light that passes through \_\_\_\_\_\_\_\_\_ substance is scattered Image appears fuzzy. |

|  |  |  |  |
| --- | --- | --- | --- |
| **4** | Transparent total internal R. | 1. | Light is completely reflected from boundary of 2 substances eg diamond ring |
| **12** | Translucent normal | 2. | Line drawn at right angles to a surface that light is incident upon is called the \_\_\_\_\_\_\_\_\_ |
| **9** | Opaque plane mirror | 3. | A flat mirror |
| **8** | Speed of light Transparent | 4. | Almost all light is transmitted through the substance |
| **10** | incident ray reflection | 5. | When light bounces back from smooth surface if produces a clear image |
| **2** | Normal virtual image | 6. | Image appears to meet at a point inside the mirror |
| **3** | plane mirror lateral inversion | 7. | Image appears sideways/ left to right reversed |
| **11** | Refraction Speed of light | 8. | Movement of light wave is approx. 300 000 km per second |
| **6** | virtual image Opaque | 9. | Light is neither reflected or absorbed and no light is transmitted in \_\_\_\_\_\_\_\_\_\_\_\_\_ substance |
| **1** | total intern reflect incident r | 10. | The incoming ray is called the \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_ |
| **5** | Reflection Refraction | 11. | Bending of light as it passes from one transparent substance to another |
| **7** | lateral inversion Translucent | 12. | Some light is reflected and some light that passes through \_\_\_\_\_\_\_\_\_ substance is scattered Image appears fuzzy. |