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# Reflection and Refraction 



| transmit | G | 0 | Q | W | U | T | D | T | H | X | R | K | U | U | W | R | B | S | B | B |  |  | N H |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| refract | Q | V | V | V | R | P | N | P | H | U | A | 0 | I | S | E | V | U | F | N | I |  |  | E W |
|  | C | R | L | P | $J$ | 0 | R | W | Q | B | R | L | R | 0 | B | N | T | J | 0 | A |  |  | V U |
| surface | B | U | 1 | K | S | 1 | F | T | L | E | N | A | P | R | A | L | 0 | S | 1 | N |  |  | R |
| opaque | M | $J$ | G | 0 | S | D | S | B | T | U | U | X | F | C | I | H | K | S | T | 0 |  |  | A |
|  | H | 0 | H | M | W | F | J | F | 0 | E | R | B | E | A | M | M | 1 | K | C | I |  |  | L |
| medium | F | W | T | L | T | Z | N | G | W | M | 1 | C | L | $N$ | M | J | D | P | E | T |  |  | E |
| mirror | 1 | M | E | J | E | A | G | E | E | H | U | W | Q | G | E | G | S | S | L | C |  |  | $\checkmark$ S |
|  | J | S | N | E | L | Z | X | D | Q | V | W | S | E | Y | Y | R | K | T | F | E |  |  | W |
| energy | 0 | B | E | S | J | C | 1 | D | N | 0 | E | 1 | F | V | 0 | N | G | S | E | L |  |  | A V |
| absorb | E | H | R | F | 0 | U | D | Z | E | S | Y | C | M | Z | T | X | 1 | Y | R | F |  |  | C D |
|  | V | U | G | X | M | P | C | S | B | E | N | D | A | N | Q | S | G | G | E | E |  |  | Q |
| prism | 0 | W | Y | G | B | U | C | E | V | K | T | H | E | F | W | S | E | 1 | S | R |  |  | G 0 |
| shiny | H | R | E | F | R | A | C | T | I | 0 | N | R | 0 | Y | R | X | N | E | U | R |  |  | H |
|  | D | 1 | Y | $N$ | U | X | W | F | R | B | A | D | S | E | $F$ | U | V | U | F | A |  |  | W E |
| beam | H | T | Q | D | L | N | 0 | L | 1 | P | B | H | F | 0 | A | G | S | Q | F | L |  |  | P |
| lens | F | $\checkmark$ | E | L | B | G | E | G | S | B | M | R | C | E | Q | A | R | A | 1 | U |  |  | F J |
|  | Q | M | U | N | Y | A | P | $N$ | M | V | A | E | R | L | M | $P$ | L | P | D | C |  |  | F S |
| bend | 0 | D | V | J | A | $N$ | A | R | Q | C | X | $P$ | A | R | 1 | A | H | 0 | 1 | E |  |  | H S |
| dull | B | K | E | Q | Z | R | K | Q | T | F | A | U | Y | Z | W | D | F | S | A | P |  |  | C |
|  | Q | 0 | Y | R | T | K | E | C | S | C | A | T | T | E | R | E | D | D | 0 | S |  |  | Q |
| sun | V | G | 1 | D | J | W | J | S | N | E | M | K | Z | P | $J$ | W | T | L | Z | Y |  |  | H |
|  | R | E | F | L | E | C | T | 1 | 0 | N | D | A | J | 0 | X | E | W | X | B | F |  |  | 0 |
| ray | D | X | U | 0 | T | U | I | R | T | Y | M | U | R | T | C | E | P | S | R | 0 |  |  | C Z |

