

Light and sound

Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Pitch

Sound

Opaque

Refraction

Laser

Optical fiber

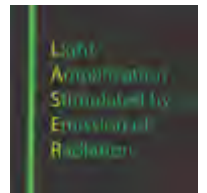
Frequency

Reflection

1. _____ - the number of waves (vibrations) in a certain period of time



2. _____ - a narrow and powerful beam of coherent light of only one wavelength



3. _____ - the name given to an object that does not allow any light through it



4. _____ - long, thin strands of glass or plastic that can carry light for long distances without allowing any light to escape



5. _____ - the perceived frequency of sound



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6. _____ - the deflection of a wave off the surface of an object



7. _____ - the bending of a wave as it moves at an angle through two different mediums; when light bends moving from one medium to another



8. _____ - a type of energy that travels in waves caused by vibrations



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ANSWER KEY

Match each of the following terms to its definition:

Pitch

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Opaque

Refraction

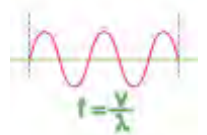
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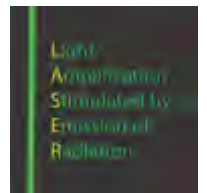
Frequency

Reflection

1. **Frequency** - the number of waves (vibrations) in a certain period of time



2. **Laser** - a narrow and powerful beam of coherent light of only one wavelength



3. **Opaque** - the name given to an object that does not allow any light through it



4. **Optical fiber** - long, thin strands of glass or plastic that can carry light for long distances without allowing any light to escape



5. **Pitch** - the perceived frequency of sound



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6. **Reflection** - the deflection of a wave off the surface of an object



7. **Refraction** - the bending of a wave as it moves at an angle through two different mediums; when light bends moving from one medium to another



8. **Sound** - a type of energy that travels in waves caused by vibrations

