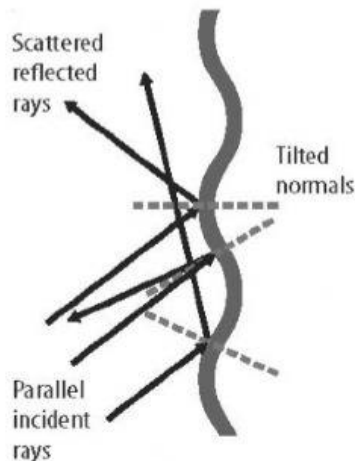


- _____ 31. All of the following material would cause diffuse reflections **EXCEPT** _____.
- | | |
|-----------|------------|
| a. fabric | c. leather |
| b. glass | d. brick |

Matching

Directions: Match the description with the correct word (a-k), by writing the correct letter in the space provided. Some of the words may not be used.

- | | |
|---|-----------------------|
| _____ 32. measured in hertz (Hz) | a. intensity |
| _____ 33. used to locate objects under water by reflection of sound waves.
(used by humans) | b. regular |
| _____ 34. the study of sound. | c. frequency |
| _____ 35. caused by the reflection of a sound wave | d. pitch |
| _____ 36. the way the brain perceives the intensity of a sound. | e. Ultrasound |
| _____ 37. finding objects by emitting sound waves and interpreting the reflected sound
(used naturally by animals) | f. Doppler effect |
| _____ 38. When light reflects off of a rough surface, no clear image forms, this is called a _____ reflection. | g. echo |
| | h. acoustics |
| | i. Echolocation |
| | j. diffuse |
| | k. longitudinal waves |
| | l. loudness |
| | m. Sonar |



- _____ 39. amount of sound energy that flows through a given area in a given amount of time
- _____ 40. the change in pitch of a sound caused by motion of either the sound source or receiver.