

Discus Put in a word to make these sentences make scientific sense.

- 1) The higher the Sun is in the sky, the the shadow will be.
- 2) The Sun is highest at so the shadows then are (shorter/longer) than at the rest of the day.
- 3) Morning and evening give the (shortest/longest) shadows.
- 4) The (closer/further away) the light source is to an object, the larger the shadow cast.
- 5) A light ray hitting a mirror at an angle is reflected off at (the same/a different) angle.
- 6) Sound happens when something
- 7) Sound vibrations travel through the as of sound.
- 8) Sound waves make our vibrate. This vibration is sent to our brains.
- 9) Sound (can/can't) travel through solid objects, such as walls, windows, etc.
- 10) Sound (can/can't) travel through a vacuum because there's nothing to vibrate.

One point for each correct answer.

Points:.....

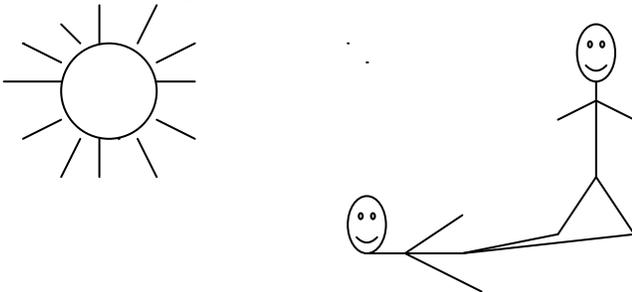
Weight Lifting Answer just one of these questions.

- 1) During a summer day, at what time of the day would your shadow be shortest? (2 points)
- 2) The further the light source is from an object, the the (4 points)
- 3) What instrument is used in a submarine to allow the sailors to see above the waterline? (6 points)
- 4) Which instrument is higher pitched a violin or a double bass? Why? (8 points)
- 5) If you blew over the top of a bottle to get a note, would it be higher or lower if you added water to the bottle? Why? (10 points)

Points:

Steeple Chase

- 1) The harder you beat a drum, the (softer/louder) the noise.
- 2) The tighter a guitar string is, the (higher/lower) the pitch of the note.
- 3) What is wrong?

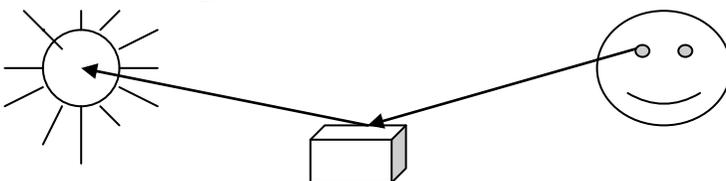


- 4) What type of objects reflect light well?
- 4) Light rays always travel in lines.
- 5) Which travels faster, sound or light?
- 6) Sounds travel through the air in
- 7) Why does the white paper in your book look white?
- 8) What is wrong?

One point for each correct answer.

Points:

Total Points:



- 9) Tom wants to see what the Sun looks like. a)Is it all right for him to look directly at it?
b)Why?/Why not?
- 10) He also wants to look at the Moon. a)Should he look directly at it with his new telescope?
b) Why?/Why not?