Bill Nye – Light and Optics Name:_____

1. Light can _____ off of things, like a mirror.
2. Light can be _____, the way it is when it goes through a lens.
3. Light can be _____, like when it hits something dark.
4. When light bounces off a surface, this is _____.
5. If the glass is curved or bent, the light will change direction. This is called _____.
6. Light travels in a straight line unless it hits something or is pulled by _____.
7. When waves (like light) slow down, they change _____.
8. If a lens is curved in, we call it concave. Concave lenses make things look _____ and further away.
9. If a lens is curved out, we say it is convex. Convex lens make things look _____.
10. In a lens where the beams of light come together at a single point, we call that point the _____ point.
11. Fiber optics rely on _____ reflection.
12. A greenhouse works because the long wavelength _____ light gets trapped inside the greenhouse, heating it up.
13. The artist in the song at the end is Queen _____.