

Circle the correct answer for each question.

1. Which is correct about shadows?
 - a. Dark area in front of an object that blocks light
 - b. Bright area in front of an object that blocks light
 - c. Dark area behind an object that blocks light
 - d. Bright area behind an object that blocks light
2. Which is correct about the umbra?
 - a. Some light can reach the screen.
 - b. It is not fully dark.
 - c. It is the lighter part of a shadow.
 - d. It is the dark part of a shadow.
3. What happens when an opaque object moves closer to a screen?
 - a. Umbra and penumbra are smaller
 - b. Umbra and penumbra are same size
 - c. Umbra is big and penumbra is small
 - d. Umbra is small and penumbra is big
4. Which is not a use of shadows?
 - a. Thai retro folk dance
 - b. Seeking shade under a tree
 - c. Telling time from a shadow
 - d. Using ceramic tiles for roofing
5. What happens when an opaque object is between a candle and a screen?
 - a. Refraction of light
 - b. Umbra will form.
 - c. Umbra and penumbra will form.
 - d. Penumbra will form.
6. Which show uses a shadow?
 - a. Chinese opera
 - b. Antiphonal singing
 - c. Thai shadow puppet show
 - d. Rod puppet show
7. Which changes the size of umbra and penumbra?
 - a. Distance between light source, object, and screen
 - b. Distance between light source and screen
 - c. Distance between light source and object
 - d. Distance between observer and screen
8. Which is linked to shadows?
 - a. Rainbow
 - b. Meteor shower
 - c. Solar Eclipse
 - d. Day and night
9. How is a shadow when opaque object is same size as light source?
 - a. Same size as object
 - b. Smaller than object
 - c. Bigger than object
 - d. No umbra forms.
10. Which object forms only penumbra when it blocks light?
 - a. Lime
 - b. Ceramic mug
 - c. Wax paper
 - d. Can of drink