Name: _____ Date: _____

Light, Shadows and Reflections

Q1. What exactly are shadows?

Ans. _____

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Q2. What do we see when we look into the mirror?

Ans. _____

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Q3. What advantage the pinhole camera has over the more usual lens camera?

Ans. _____

_____

Q4. What do you understand by scattering of light?

Ans. _____

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Q5. Why train and airplane services are disturbed on rainy or foggy day?

Ans. _____

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Q6. Can we see our reflection in a mirror in a completely dark room?

Ans. _____

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Light, Shadows and Reflections

Q1. What exactly are shadows?

Ans. The dark area formed behind the opaque object, when the light from light source is blocked by it is called shadow.

Q2. What do we see when we look into the mirror?

Ans. We see reflection of our face in the mirror. We also see reflections of other objects that are in front of the mirror.

Q3. What advantage the pinhole camera has over the more usual lens camera?

Ans. One advantage the pinhole camera has over the more usual lens camera is that it does not need to be focused.

Q4. What do you understand by scattering of light?

Ans. When a beam of light falls on rough surface, it bounces back in different directions. This is called scattering of light.

Q5. Why train and airplane services are disturbed on rainy or foggy day?

Ans. Train and airplane services are disturbed on rainy or foggy day because air becomes translucent and visibility reduces.

Q6. Can we see our reflection in a mirror in a completely dark room?

Ans. No, because there is no source of light .We can see our image only when light is reflected from the mirror.

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