

## Mirrors Quiz PDF

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**Which of the following is a characteristic of a real image?**

- It is upright.
- It appears behind the mirror.
- It is always smaller than the object.
- It can be projected onto a screen.

**In which type of mirror is the image always smaller than the object?**

- Plane Mirror
- Convex Mirror
- Cylindrical Mirror
- Concave Mirror

**What is the primary law governing the behavior of light when it reflects off a mirror?**

- Law of Refraction
- Law of Reflection
- Law of Diffraction
- Law of Dispersion

**Which material is most commonly used for the reflective coating on modern mirrors?**

- Silver
- Aluminum
- Copper
- Gold

**What is the focal point of a concave mirror?**

- The point where parallel light rays converge.
- The center of the mirror.

- The edge of the mirror.
- The point where light rays diverge.

**Why are convex mirrors preferred for use in security and surveillance applications?**

**What are the differences in image formation between concave and convex mirrors?**

**Discuss the cultural significance of mirrors in one specific culture or mythology.**

**In which applications are concave mirrors commonly used? (Select all that apply)**

- Makeup mirrors
- Rearview mirrors
- Satellite dishes
- Flashlights

**What are some historical materials used for making mirrors? (Select all that apply)**

- Polished stones
- Aluminum
- Copper
- Silver

**Which of the following are true about plane mirrors? (Select all that apply)**

- They reverse images left to right.
- They form virtual images.
- They have a focal point.
- They can magnify images.

**What are some common uses of mirrors in everyday life? (Select all that apply)**

- Personal grooming
- Sound amplification
- Architectural decoration
- Solar energy concentration

**How has the technology of mirror-making evolved from ancient times to the present day?**

**Describe the process by which a concave mirror can form both real and virtual images.**

**Which mirror type is commonly used in rearview mirrors of vehicles?**

- Plane Mirror
- Convex Mirror
- Cylindrical Mirror
- Concave Mirror

**What is the main characteristic of a virtual image formed by a mirror?**

- It is inverted.
- It appears behind the mirror.
- It is always larger than the object.
- It can be projected on a screen.

**Which of the following are characteristics of a concave mirror? (Select all that apply)**

- Can form real images
- Can magnify objects
- Always forms virtual images
- Diverges light rays

**Which of the following statements about convex mirrors are correct? (Select all that apply)**

- They converge light rays.
- They form images that are always upright.
- They can form real images.
- They are used in security mirrors.

**Explain how the law of reflection applies to both plane and curved mirrors.**

**What type of mirror is flat and reflects images in their normal proportions?**

- Concave Mirror
- Plane Mirror
- Parabolic Mirror

Convex Mirror