

Name _____

Transforming Treasures: The Impact of Heat and Treatments on Gemstones

Short Answer Key

1. One example is sapphires. Heat treatment is used to improve their color and clarity by removing or reducing impurities and enhancing their natural blue color.
2. Buyers should consider the type of treatment, its impact on the gem's appearance, and whether the treatment has been properly disclosed. They should also take into account the gem's rarity and demand.
3. Disclosure is essential for ethical transparency and to ensure that buyers are making informed decisions. It builds trust in the industry and helps buyers assess the value and desirability of a gemstone.
4. Irradiation can alter the color of a gemstone. For example, brownish diamonds can be transformed into striking blue or green gems through irradiation treatment.
5. Gemstone certification typically includes information about the gem's identity, treatments, origin, and quality characteristics. It is valuable for buyers because it provides assurance about the gem's authenticity, quality, and any treatments it has undergone.

