

# Minerals

(pp. 43 - 55)

For a substance to be considered a mineral, it must have the following 4 characteristics:

- **Forms in nature**
- **Is a solid**
- **Has a definite chemical makeup (same ingredients in the same amounts)**
- **Has a crystal structure**

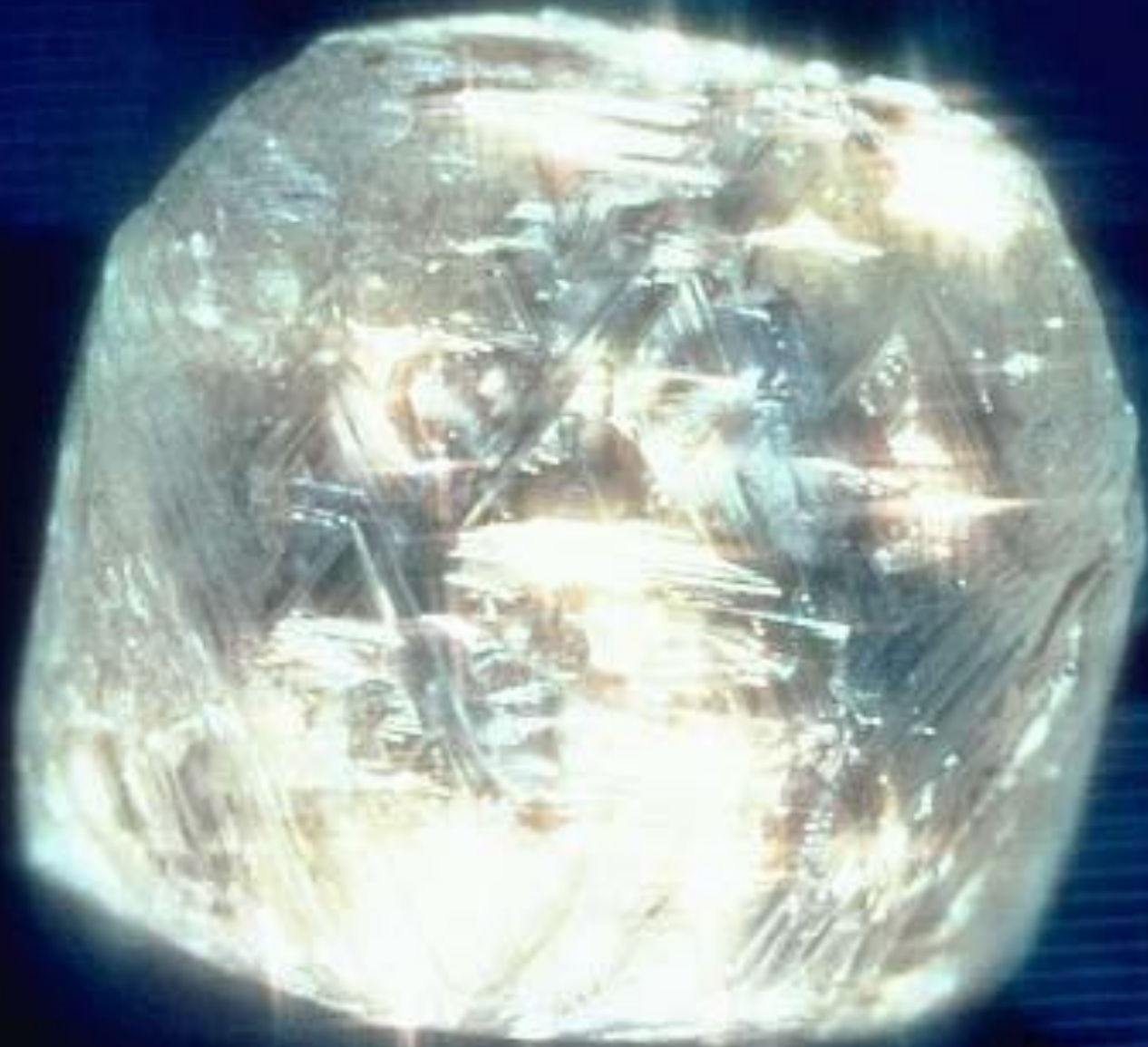
# Minerals can be identified by their properties:

- Color and streak
- Luster (metallic or nonmetallic)
- Cleavage/fracture
- Density
- Hardness
- Special properties (fluorescence, magnetic, radioactive, etc.)



# UNCUT DIAMOND

Found by Cole Van Tassel

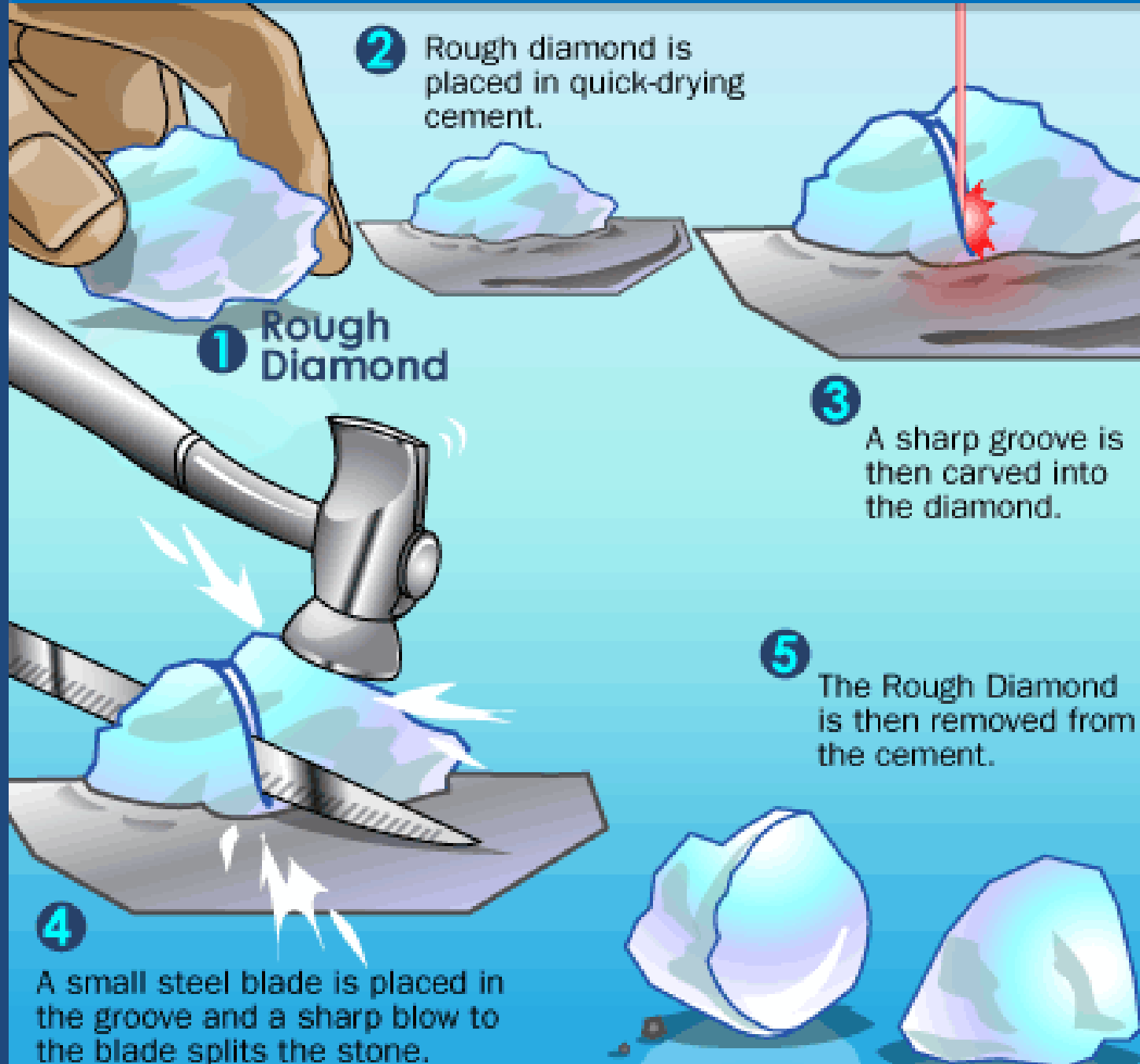


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# How Diamonds Work Cleaving

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Galena



Jasper



Marcasite



Gypsum  
(Selenite)



Dolomite



Calcite



Halite



Oolite



Sphalerite



Opalite



Concretion



Cone-in-cone



Agate



Amber





