#### Lesson – Minerals

THE FOLLOWING **VIDEO** HAS BEEN APPROVED FOR **ALL AUDIENCES** BY THE EARTH SCIENCE TEACHERS ASSOCIATION OF AMERICA , INC

# THE VIDEO HAS BEEN RATED INTELIGENT UNDER 15 REQUIRES TEACHER STRONG EARTH SCIENCE LANGUAGE, DETAILED DIAGRAMS, AND SUPER AMESOMENESS

- I can explain what a mineral is.
- I can explain why color is not a good test to identify minerals
- I can describe how to find streak
- I can describe how to fine hardness
- I can explain the difference between cleavage and fracture
- I can describe what luster is & the two main categories

## DON'T WRITE Minerals are...

- \* Inorganic
- \* Crystalline solid
- \* Have a definite chemical composition
- \* Naturally occurring

# Inorganic

- never been alive
- not made from plants and animals







•Formed by nature •Are NOT made by humans

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 Object scratches a mineral - <u>object is</u> <u>harder</u>

TOOLS to test Hardness: •Fingernail - 2.0 •Penny -3.0 •Steel Nail - 5.5 •Glass Plate - 5.5

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HOW do minerals <u>BREAK</u>? A) CLEAVAGE -Minerals which break along a line -Smooth breakage



### **B) FRACTURE**

-Random breakage pattern -Uneven/Conchoidal (SHELL pattern)





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## Other MINERAL IDENTIFIERS:





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