



Topic/Objective CHAPTER: 28

NAME:

Meteors crash course

Pd: 1 2 4 5 other

video #23

DATE

Essential Question

What are meteors?

Que: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Meteors

↳ shooting stars or space junk

Meteoroid

↳ Rx moving through space

↳ when it enters the atmosphere it begins to get hot and blaze across the sky it is then called: Meteor.

Meteorite

↳ ~~the~~ junk from space that has hit the ground.
↳ "you can pick it up" RITE "now"

Kinetic Energy

→ energy in motion $E_k = \frac{1}{2} m v^2$
 $KE = \frac{1}{2} m v^2$

Potential

→ energy at rest

Why does it glow?

↳ when you compress a gas it heats up.
↳ meteoroid entering Atmosphere compresses the space (Air) heating up in a few seconds to ~~about~~ thousands of degrees °C

(continued)

NOTES CONTINUE ON OTHER SIDE



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Cue: Review:
Thoughts: Main Idea

NOTE Taking AREA:

Ablation

the material on the surface vaporizes & blows away. this is called **Ablation**.
this leaves glowing trail which we call **Train**

↳ ⊕ is pelted to about 100 TONS of material a day ... This is where DUST comes from.

↳ so dust is 50% human skin
49% ~~at~~st

Sporadic meteor

↳ single rock that comes from 2 Asteroids that collided.

Meteor Shower

↳ material that comes from a comet's dust tail, as ⊕ travels through its path
Radiant: Shower coming constellation

Bolide

↳ Fireball & is an extremely bright meteor

Classification

3 groups

- 1) stony - mostly Rx
- 2) Iron - mostly metal
- 3) Stony-Iron - Rx & metal that are the rarest

chondrites - chondules (small grains) of minerals

Achondrites → No chondules from Big Asteroid

SUMMARY:

↳ contains orange crystals of olivine embedded in a web of metal
↳ this is called: **Pallasites**