

DISCUSS & INQUIRY

- Relationship between two measurements it's a **RATIO**

- Reactions at:
- Nanoscale

OBSERVE & DESCRIBE

STEM CONNECTIONS

- Forces and interactions
- Scaling

Volume = a^3
Surface area = $6a^2$

DO

The SA2V activity utilizes scaling to illustrate the concepts reported at the nanoscale (particle size)

- Change in the interaction
- Different sizes

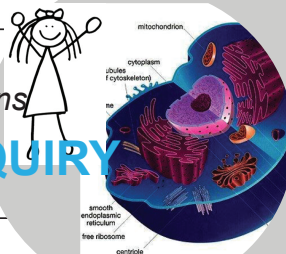
OBSERVE & DESCRIBE

INVESTIGATE

Variables are changed to challenge and to start the critical thinking process

- Strength of surface interactions

DISCUSS & INQUIRY



STEM CONNECTIONS

- Measurements of size and scale

STEM CONNECTIONS

- Impact at molecular/cellular level?