

## 6<sup>th</sup> Grade Science Final Exam Study Guide

Answer the following questions on paper, a foldable or flashcards.

### Genetics

alleles

genotype

phenotype

What determines the traits of living things?

Explain how dominant and recessive alleles work.

### Thermal Energy

Be able to use thermal energy transfer data to answer questions (like on the other quiz and in class)

Describe how thermal energy moves (hot and cold)

Conductor

Insulator

### Water Cycle

Role of the sun

Role of gravity

Order of the steps

### Weather and Climate

How do clouds form?

What effect do the following have on the weather?

- fronts
- high pressure
- low pressure

Main dangers associated with the following

- thunderstorms
- tornadoes
- hurricanes

What effect do the following have on the climate of an area?

- Large bodies of water
- Prevailing winds from over the water
- Prevailing winds from over the water
- Mountains
- Warm ocean currents
- Cold ocean currents
- Latitude