

SNC 1D – Exam Review

You can check off the topics as you feel you have reviewed them and understand them.

Ecosystems

How to properly graph and read a graph

Gaia Hypothesis

Food web / food chain

Definitions: carnivore, herbivore, omnivore, trophic level etc.

Oh Deer game – how 1 population affects the other, carrying capacity, invasive species

Cycling of Matter

Forestry Practices (logging methods)

Why we should care about biodiversity and healthy ecosystems

Chemistry – Atoms & Periodic Table

Matter – Properties of Matter – Particle Theory of Matter

Physical & Chemical Properties

Physical & Chemical Changes (5 clues)

Changes of State

Periodic Table – how to read symbols, families

Atomic mass, atomic number

Bohr-Rutherford diagrams

Molecules – be able to ‘read’ molecule formulas

Applications – carbon (different forms), diapers, antifreeze, DDT

Physics – Electricity

Static Electricity – Positive & Negative Charges

Law of Electric Charges

Charging by Friction, Contact

Conductors & Insulators

Methods for generating electricity

Formulas - & efficiency, cost to run

Quantities and Units: current, potential difference, resistance

Ohm’s Formula - $R = V/I$

Series & Parallel Circuits

Applications – electrostatic painting, lightning rods, heart (pacemakers)

Space

Expanding universe

Light years

Sun

Solar System

Movement of celestial objects

More Helpful Hints

- ✓ You will be given all formulas you need on the exam. You will need know HOW to use the formulas and how to use GRASP method of solving
- ✓ All notes, assignments, labs and tests should be studied
- ✓ You are responsible for bringing your own scientific calculator. You cannot share a calculator nor use a calculator on a phone etc. You need your own calculator

Studying

Visual learner – you should draw pictures and charts and diagrams. Take time to organize and colour coordinate.

Auditory learner – get together with a buddy and quiz each other outloud.
Alone? Read your notes outloud.

Kinesthetic learner – pace & chew gum when you study. Move around. You will benefit from writing notes and colour coordinating them. Draw, doodle. Some students like to condense and rewrite notes.

Practice Questions

****Note – answers to these questions are at the back of your text. Check them out! ****

Ecology – Unit Review p. 158 – 163

1- 8, 11, 17, 41 c,d,e, 42, 43, 45, 57 a,b,c, 67, 68

Chemistry – Unit Review p. 288 – 295

1 – 36, 42, 43, 44, 45, 56,

Space – Unit Review p. 448 – 453

#2, 7, 8, 14, 19, 21, 23, 39, 43, 62,

Physics : Electricity – Unit Review p. 587 – 593

#1 - 8, 10 – 12, 15, 19-21, 25-31, 34-37, 54, 55, 56, 59, 63, 71, 72, 73, 75