

Weekly Reflection

Assigned on the previous Friday and reviewed in class on Monday (due Monday, submitted on Teams), students will respond to a question or prompt in their own words. Minimum of ½ page typed, single spaced. Reflections will include a balance of educated opinion, evidence-based arguments, references from class material, personal experience and a variety of world views/perspectives. Students will be assessed on their ability to *Communicate*:

- *Communicate scientific ideas, claims, information, and perhaps a suggested course of action, for a specific purpose and audience, constructing evidence-based arguments and using appropriate scientific language, conventions, and representations*
- *Express and reflect on a variety of experiences, perspectives, and worldviews through place*

Weekly Discussion/Presentation

Much of the material in this block is of a practical nature, relating to the body and human reproduction. Each week students will apply their learning to a discussion on Wednesday during Zoom classes, guided by the teacher. If students are not able to attend, they are asked to record a short 1-2 min presentation explaining their understanding of the material studied throughout the week (submitted on Teams, due Wednesday). Discussion/presentations will include students applying their learning to new situations, as well as a focus on self, other and community health. Students will be assessed on their ability to *Apply and Innovate*:

- *Contribute to care for self, others, community, and world through individual or collaborative approaches*
- *Transfer and apply learning to new situations*

Weekly Research Assignment

At the end of the week, students will submit a 1pg typed research assignment on a topic studied throughout the week. Students will briefly summarize at least 2 (of 5) main themes presented throughout the week, synthesizing ideas into a single picture. Students are asked to apply their understanding to a new application, incorporating research on a related topic. The summary of the research paper will include a thought or idea on how the applied idea could contribute to solving a problem at a local/global level. Students will be assessed on their ability to *Apply and Innovate*:

- *Generate and introduce new or refined ideas when problem solving*
- *Contribute to finding solutions to problems at a local and/or global level through inquiry*

Participation

Each week students will be assessed on their engagement in zoom classes, online chats, assignments and discussions. Students will be assessed on their ability to *Communicate, Apply and Innovate*:

- *Formulate physical or mental theoretical models to describe a phenomenon*
- *Consider the role of scientists/science in innovation*

Topics and Due Dates

Week	Monday	Tuesday	Wednesday	Thursday	Friday
Assignments Due - Each Week	Reflection		Discussion/ Presentation		Research Paper
1 Maclean	Hormones, Endocrine v. Exocrine	Homeostasis	Stress	Body Rhythms	Ovarian/ Menstrual Cycles
2 Maclean		Cell Structure	DNA	Asexual reproduction, Mitosis	Mitosis
3 Blancher	Sexual Reproduction, Meiosis	Oogenesis	Spermatogenesis	Reproductive System	Beginning of Life
4 Blancher	Fertilization/ Conception I - Physiology	Fertilization/ Conception II, Relationships	Stages of Development – 1 st /2 nd trimester	Stages of Development – 2 nd /3 rd trimester	Social Issues

Topic 1 – ENDOCRINE SYSTEM

Topic 2 – REPRODUCTIVE SYSTEM

Topic 3 - EMBRYOLOGY

Human Family

By Maya Angelou

I note the obvious differences
in the human family.
Some of us are serious,
some thrive on comedy.

Some declare their lives are lived
as true profundity,
and others claim they really live
the real reality.

The variety of our skin tones
can confuse, bemuse, delight,
brown and pink and beige and purple,
tan and blue and white.

I've sailed upon the seven seas
and stopped in every land,
I've seen the wonders of the world
not yet one common man.

I know ten thousand women
called Jane and Mary Jane,
but I've not seen any two
who really were the same.

Mirror twins are different
although their features jibe,
and lovers think quite different thoughts
while lying side by side.

We love and lose in China,
we weep on England's moors,
and laugh and moan in Guinea,
and thrive on Spanish shores.

We seek success in Finland,
are born and die in Maine.
In minor ways we differ,
in major we're the same.

I note the obvious differences
between each sort and type,
but we are more alike, my friends,
than we are unlike.

We are more alike, my friends,
than we are unlike.

We are more alike, my friends,
than we are unlike.