**SAMPLE MCAS High School Biology Reference Sheet**

**CHEMISTRY OF LIFE**

C –

H –

N –

O –

P –

S –

|  |  |  |  |
| --- | --- | --- | --- |
| **Molecule** | **Building Blocks** | **Structure** | **Function** |
| C |  |  |  |
| P |  |  |  |
| L |  |  |  |
| NA |  |  |  |

Enzymes –

**CELL BIOLOGY**

cyto – cell

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Cell Structure** |  |  |  |
| **Type of Organisms** |  |  |  |
| **Similarities** |  |  |

**CELL BIOLOGY (continued)**

6:

A
E

P
F
P
A

auto – self

hetero – different

uni – one

multi – many
di- two

C, W 🡪 G, O G, O 🡪 C, W

 

Mitosis Meiosis

|  |  |  |
| --- | --- | --- |
| # daughter cells |  |  |
| # chromosomes  |  |  |
| type of cell |  |  |
| compared to parent cell |  |  |

**GENETICS**

homo – same

hetero – different

geno – genes

pheno – physical

poly – many

\_\_NA – ATCG

\_\_NA – AUCG

TL

TC

**EVOLUTION**

K
P
C
O
F
G
S



Evidence:

1-

2-

3-

4-

**ECOLOGY**

primary – 1

secondary – 2

tertiary – 3

M = (+, +)

C = (+, 0)

P = (+, -)

HOC

TC

SC

PC

P

* = flow of energy

**ANATOMY AND PHYSIOLOGY**

M, P, E, S, S, L, R M/N, P, T, B, B, A A=Away, V=Toward







 S=Toward, M=Away T=M+M, L=M+B

