

Practice Final Key

Multiple Choice

- 1.) —
- 2.) a
- 3.) c
- 4.) b
- 5.) —
- 6.) —
- 7.) a
- 8.) b
- 9.) a
- 10.) c
- 11.) c
- 12.) —
- 13.) d
- 14.) b
- 15.) b
- 16.) c
- 17.) a
- 18.) b

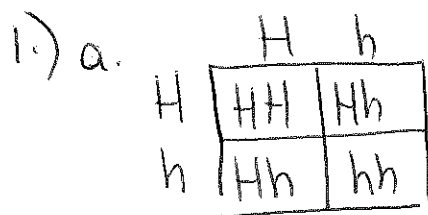
Matching

- f
- l
- c
- b
- e
- k
- i
- g
- e
- v
- 3
- 7
- 0
- 2
- 1
-

Short Answer

- 1.) a. 37531 kWh - July
41265 kWh - August
b. 3734 kWh.
c. \$896.16
- 2.) Vegetative Propagation - Apple Tree
Binary Fission - Bacteria
Regeneration - Starfish
Sporulation - Mold, Fungus
Budding - Yeast.
- 3.) a. Hydrogen (H)
b. Fluorine (F)
c. Sulphur (S)
d. Zinc (Zn)
e. Calcium (Ca)
- 4.) Phenotype - Physical appearance
Genotype - Genetic makeup of traits
(a set of genes).
- 5.) —
- 6.) A nebula is a cloud of gases and dust that swirl around in space. When this cloud gathers into a large clump, it increases the magnitude of its gravitational force. Over time, the gas is under enough pressure that a fusion reaction begins, creating a star.
- 7.) Somatic, reproductive, diploid, 4, haploid.
- 8.) a. 123 kWh monthly.
b. \$27.96

Diagrams & Long Answer



b. Genotypes

Homozygous Dominant (HH) - 25%.

Heterozygous (Hh) - 50%.

Homozygous Recessive (hh) - 25%.

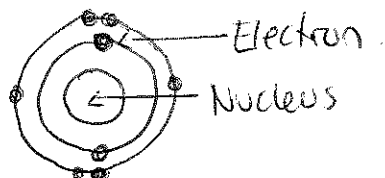
c. Phenotypes

Long hair - 75%.

Short hair - 25%.

d. The breeder can make sure that 1 parent is homozygous dominant for the trait.

2.) a.



b. 10

c. 19 amu

d. Halogen Family

e. Highly Reactive, need 1 electron to fill valence shell, non-metals.

3.) a. Series

b. 2A

c. 2A

d. 4 V

e. Arrow should point away from the negative terminal of the battery

4.) a.

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b. Ground the conductor

c. Positive

d. Charging by induction.

5.) —

6.) The equator is always angled towards the Sun. Therefore, it is often quite hot year-round.

7.) Mitosis is used to create identical copies of cells for growth and repair.
Meiosis is used to create gametes for reproduction.

8.) —

9.) - Change in colour (can also be physical!)

- Heat or light given off.

- Formation of bubbles

- Precipitate forms

- Changes that are irreversible.