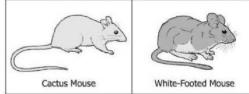


H		He	
1.0	4.0		
Li	Be		
2.0	3.0		
3.0	12.0		
4.0	10.0		
5.0	20.0		
6.0	24.0		
7.0	22.0		
8.0	21.0		
9.0	20.0		
K	Ca	Sc	Ti
10.0	40.0	40.0	40.0
11.0	50.0	45.0	50.0
12.0	51.0	51.0	51.0
13.0	52.0	52.0	52.0
14.0	53.0	53.0	53.0
15.0	54.0	54.0	54.0
16.0	55.0	55.0	55.0
17.0	56.0	56.0	56.0
18.0	57.0	57.0	57.0
19.0	58.0	58.0	58.0
20.0	59.0	59.0	59.0
21.0	60.0	60.0	60.0
22.0	61.0	61.0	61.0
23.0	62.0	62.0	62.0
24.0	63.0	63.0	63.0
25.0	64.0	64.0	64.0
26.0	65.0	65.0	65.0
27.0	66.0	66.0	66.0
28.0	67.0	67.0	67.0
29.0	68.0	68.0	68.0
30.0	69.0	69.0	69.0
31.0	70.0	70.0	70.0
32.0	71.0	71.0	71.0
33.0	72.0	72.0	72.0
34.0	73.0	73.0	73.0
35.0	74.0	74.0	74.0
36.0	75.0	75.0	75.0
37.0	76.0	76.0	76.0
38.0	77.0	77.0	77.0
39.0	78.0	78.0	78.0
40.0	79.0	79.0	79.0
41.0	80.0	80.0	80.0
42.0	81.0	81.0	81.0
43.0	82.0	82.0	82.0
44.0	83.0	83.0	83.0
45.0	84.0	84.0	84.0
46.0	85.0	85.0	85.0
47.0	86.0	86.0	86.0
48.0	87.0	87.0	87.0
49.0	88.0	88.0	88.0
50.0	89.0	89.0	89.0
51.0	90.0	90.0	90.0
52.0	91.0	91.0	91.0
53.0	92.0	92.0	92.0
54.0	93.0	93.0	93.0
55.0	94.0	94.0	94.0
56.0	95.0	95.0	95.0
57.0	96.0	96.0	96.0
58.0	97.0	97.0	97.0
59.0	98.0	98.0	98.0
60.0	99.0	99.0	99.0
61.0	100.0	100.0	100.0

The shaded row in the table is called a —

A column **Which way does a column go?**
 B family **Families and groups are the same thing, so these can't be right.**
 C group **group**
 D period **Which way do the Periods go?**

Two Mice From the Same Genus



When there is a picture, LOOK CLOSELY AT IT.

White-footed mice having thicker fur than cactus mice is probably influenced most by the differences in the — **Where do Cactus Grow?**

A food that they eat
 B time of day they are active
 C environmental climates where they live
 D amount of predators they encounter

During human fertilization, an egg and a sperm cell unite. Which structures in these cells carry the genes that will be transferred to the offspring?

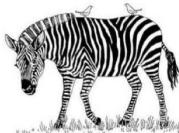
A Vacuoles
 B Ribosomes
 C Chromosomes
 D Cell membranes

34 of 48 **Which facility relies on a nonrenewable source of energy?** Nonrenewable - doesn't come back.

A A wind farm that uses wind turbines **Does the wind come back, will there be more?**
 B A dam that uses the power of water **Will there be more water?**
 C A power station that burns coal **Will there be more coal?**
 D A solar farm that collects sunlight **Will there be more sunlight?**

35 of 48 **As the frequency of a wave decreases, the wave's — Means - waves per second go down.**

A period decreases
 B amplitude increases
 C speed decreases
 D wavelength increases

This picture shows a zebra with two tick birds on its back. The tick birds alert the zebras that predators are near as well as remove and eat ticks found on zebras. What is the primary type of interaction between the tick birds and the zebras? **So do the ticks help or hurt the Zebra?**

A Mutualism **Mutual - both**
 B Parasitism **What is a parasite?**
 C Competition **They compete, like when you compete against another team in a sport.**
 D Commensalism **One gets help, the other is not hurt or helped. Even if you don't remember this you should have gotten the answer already.**

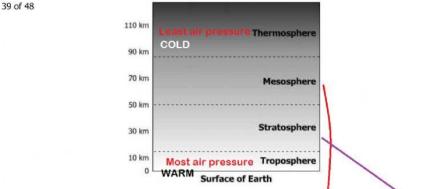
37 of 48 **Which change will most likely increase the strength of a magnetic field produced by an electromagnet?**

A Reduce the number of turns of the coil
 B Switch the direction in which the battery is connected
 C Remove the iron nail
 D Add a battery **Only one key word means increase.**

38 of 48 **The physical expression of a trait in an organism is known as the —**

This one is hard, you have to remember.

A chromosome **A DNA molecule**
 B genotype **the complete set of genetic material, which genes you have, some are dominant some are recessive.**
 C phenotype **the observable trait, like blue eyes or brown.**
 D double helix **has the DNA. Half of the helix is from mom, the other from dad, that's why it is double.**

39 of 48 **Earth's Atmosphere**

Which statement correctly describes a difference between the mesosphere and the stratosphere?

A The mesosphere has more active weather than the stratosphere.
 B The mesosphere contains fewer oxygen molecules than the stratosphere.
 C Air pressure is lower in the stratosphere than in the mesosphere.
 D Temperatures decrease with altitude only in the stratosphere. **You can get rid of two answers**

40 of 48 **Which organisms are producers in this food web? Which ones make food, all the others are eaters (consumers)**