**Genetics Review (G1-G4)**

***Instructions:*** *Complete the following review questions. This will be due MONDAY, February 24 as homework if you do not finish in class.*

1. What is an Inherited Trait?
2. List 5 examples of inherited traits
3. What is an Acquired Trait?
4. List 5 examples of Acquired Traits.
5. Compare Sexual and Asexual Reproduction. You must fill all the bullet points:

|  |  |  |
| --- | --- | --- |
| Sexual | Both | Asexual |
| ---- | -- | ---- |

1. A plant cutting is placed in a jar of water. Several weeks later, the plant has grown into a new plant. What kind of reproduction is this?
2. What kind of reproduction does a pine tree do? Explain how you know
3. What kind of reproduction do mosquitoes do? Explain how you know
4. Give 5 examples of Asexual Reproduction
5. Give 5 examples of Sexual Reproduction
6. A baby donkey will have the MOST structural traits in common with which animal?
7. A horse
8. A zebra
9. A donkey
10. A mule
11. List five structural traits that a puppy inherits from its parents
12. What is DNA?
13. What is a chromosome?
14. What is a gene?
15. What is the difference between a dominant and a recessive trait?
16. Round seeds are dominant (R) and wrinkled seeds are recessive (r). What would happen if we crossed two (Rr) parents? Draw the Punnett square:

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| --- | --- |
|  |  |
|  |  |

What % offspring are wrinkled?\_\_\_\_\_\_\_\_\_\_\_

What % offspring are round?\_\_\_\_\_\_\_\_\_\_\_