On Tuesday 2/27, N. Brown’s biology classes will report to a computer lab for OGT practice and for review with the [www.newpathlearning.com](http://www.newpathlearning.com) website.

**3rd period room 259**

**5th period room 113**

Formative assessment:

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ February 26, 2014

You must write a complete sentence for each point! For example, if you use a punnett square, you must explain what it shows, as well as drawing it. One correct and explained idea 🡺1 point.

1. A plant’s dominant phenotype for flower color trait is Red, & its recessive phenotype is white. The trait obeys simple dominance. If a homozygous dominant plant is mated to a homozygous recessive plant, then:
2. What is the probability that F1 offspring will be white? (1 pt) Explain how you know this (1 pt).
3. What is the probability that an F2 offspring will be white? (1 pt) Explain how you know this (1pt)

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For questions 2 –6, classify the inheritance pattern, then explain 2 reasons for your decision.

Choices:

1. **Autosomal dominant**
2. **Autosomal recessive**
3. **Sex-linked dominant**
4. **Sex-linked recessive**

2

 

3

4