Year 10 Science: DNA, genes, chromosomes and proteins

Name: _____ Date: _____

Try these without your notes first, then check the answer key.

Practice

1. One DNA strand reads G G A T C T. Write the partner strand.

2. Put these in order from largest to smallest: gene, nucleus, base, chromosome.

3. Name the protein type for each: antibody, amylase, keratin.

4. Is the number of petals on a flower discrete or continuous? What about the mass of a lamb at birth?

5. Give one strength and one limitation of a flat paper diagram of DNA.

Fix the mistake

6. Correct this statement: "The partner of A T G is A T G, or A pairs with G."

7. Correct this statement: "A chromosome is the same thing as a gene."

8. Correct this statement: "My height is 162 cm, a whole number, so height is discrete data."

9. Correct this statement: "Your phenotype is decided by your genes alone."