



**Subject: Biology**

**Pages 211,213**

**Name:**

answer key

**Date:**

**Grade 8 all sections**

## Page 211 questions 1,3,4,5,6,7

**Q1. Each egg and sperm cell contains half of each parent's genes. These combine to give each embryo a full set of genes.**

**Q3. Child inherits a different combination of genes from the same parents.**

**Q4. Identical twins look the same when they are young because they have identical genes and these control their characteristics.**

**Q5. One human characteristic controlled only by genes is your blood group.**

**Q6 Any two examples: height, body mass, intelligence.**

**Q7 Any example of a characteristic influenced only by the environment, e.g. language spoken.**



## Page 213 questions 2,4,5,6

**Q2. The nucleus of a human cell contains 23 pairs of chromosomes or 46 individual chromosomes.**

**Q4. Sex cells (eggs and sperm) each contain - 23 individual chromosomes.**

**Q5. according to the sperm cell .**

**Q6. Parents are equally likely to have a girl or a boy because half a man's sperm cells carry an X chromosome and the other half carry a Y chromosome.**

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