Lesson 3 Name _____

HEREDITY – 8th Grade Science

Directions: Decipher the Code message listed below to uncover the sentences. Place the answers directly below the Code.

A	B	C	D	E	F	G	H	I	J	K	L	M
1	2	3	4	5	6	7	8	9	10	11	12	13
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
14	15	16	17	18	19	20	21	22	23	24	25	26

1. **The passing of genetic material from parents to offspring is called**

   ___ ___ ___ ___ ___ ___ ___ ___.
   8 18 25

2. The different versions of a gene are known as ___ ___ ___ ___ ___ ___ ___.
   12 12 19

3. The combination of alleles that you inherited from your parents is your

   ___ ___ ___ ___ ___ ___ ___ ___.
   5 14 20 16

4. Your observable traits make up your ___ ___ ___ ___ ___ ___ ___ ___ ___.
   8 14 25 16

5. The ___ ___ ___ ___ ___ ___ ___ ___ allele contributes to the phenotype if one or two copies
   4 13 1 14
   are present in the genotype.

6. The ___ ___ ___ ___ ___ ___ ___ ___ ___ allele contributes to the phenotype only when two
   5 3 5 5
   copies of it are present.