

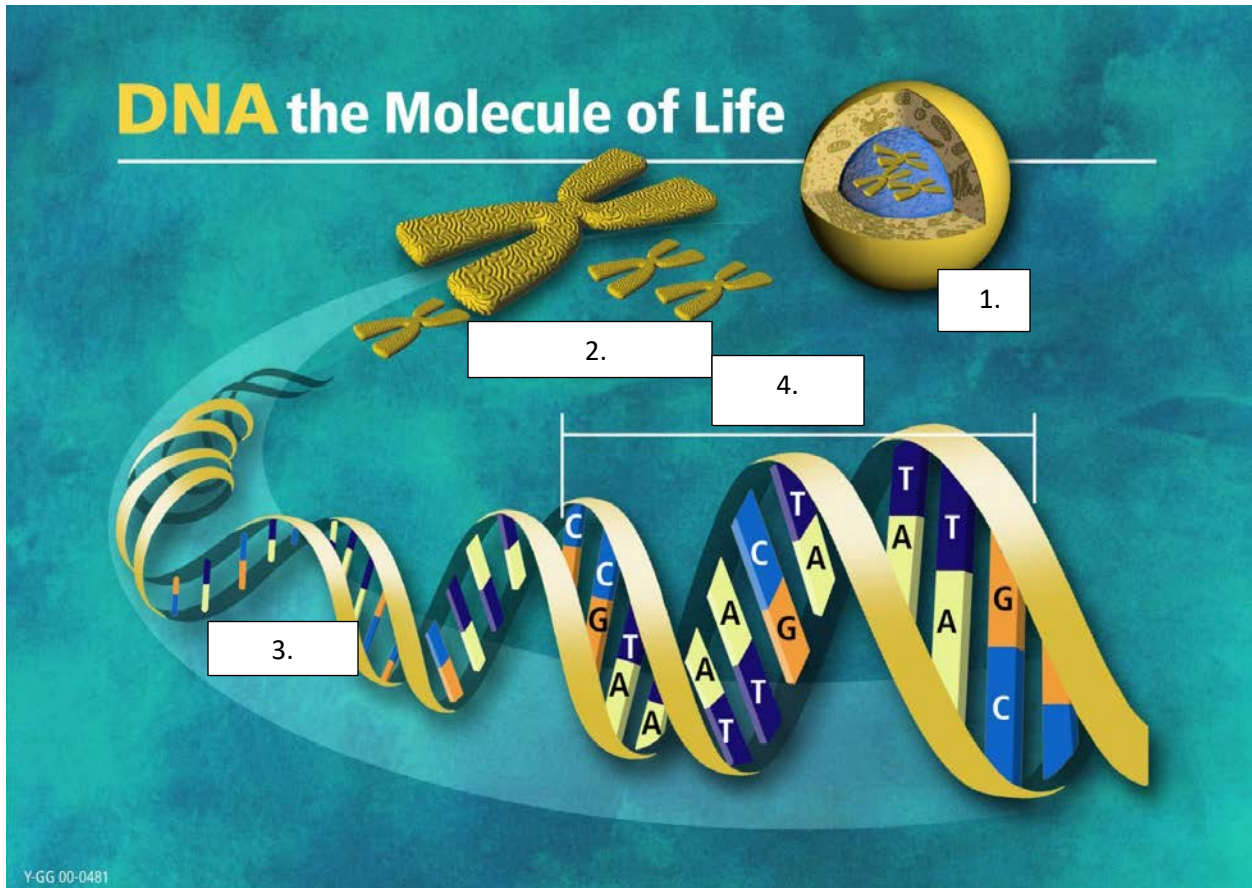
Handout #4

Prenatal Genetics English Vocabulary Exercises

Exercise 1: Labeling exercise

Instructions: Label the four structures shown in this diagram.

1. _____
2. _____
3. _____
4. _____



Exercise 2: Sorting exercise

*Instructions: Sort the following terms into their correct categories.
(Hint: there is one term that fits into 2 categories. List it under both!)*

Terms

ultrasound
spina bifida
sickle cell disease
open neural tube defect
NIPT
MSS
microarray
Klinefelter's syndrome
karyotype
fragile X syndrome
first trimester screening
Edwards syndrome
Down syndrome
DNA sequencing
cystic fibrosis
cleft palate
cleft lip
chorionic villus sampling
anencephaly
amniocentesis

Screening tests

1. _____
2. _____
3. _____
4. _____

Diagnostic tests

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Genetic conditions and birth defects

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____

Exercise 3: Matching

Instructions: Place the number of the correct definition in front of each term. Use your glossary to look up the meaning of words you don't know.

- | | | |
|-------|-------------------------|--|
| _____ | anencephaly | A. An incomplete piece of an extra chromosome |
| _____ | chromosome abnormality | B. A progressive genetic condition that causes the production of thick, sticky mucus, leading to respiratory problems |
| _____ | cleft lip | C. Trisomy 21 |
| _____ | cleft palate | D. A sex-linked genetic condition |
| _____ | cystic fibrosis | E. Insufficient brain growth in a fetus |
| _____ | carrier | F. Not harmful |
| _____ | benign | G. A genetic difference which may be deleterious or benign |
| _____ | gene variant | H. Having more or less genetic material than is expected |
| _____ | Down syndrome | I. A genetic disorder affecting the body's ability to make normal hemoglobin, an important part of red blood cells |
| _____ | Edwards syndrome | J. A type of genetic condition in that results from a hole in the spinal column not closing up when appropriate during early fetal development |
| _____ | Klinefelter's syndrome | K. A birth defect in which the roof of the mouth does not form properly, resulting in an opening into the nasal cavity |
| _____ | marker chromosome | L. A person who has a genetic variant in one of their two copies of a particular gene |
| _____ | mosaicism | M. Mutation |
| _____ | nuchal thickening | N. Trisomy 18 |
| _____ | open neural tube defect | O. Abnormal amount of liquid in the space at the back of a fetus' neck |
| _____ | ring chromosome | P. A congenital malformation in which the upper lip does not form properly, causing an opening that can extend to the nose |
| _____ | sickle cell disease | Q. An abnormal chromosome formation in which the ends of two of the chromosome's arms have linked together |
| _____ | VUS | R. A condition in which only some cells in a sample show a particular genetic change |

