

Name \_\_\_\_\_

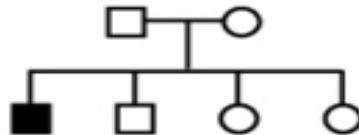
Period \_\_\_\_\_

AP Biology

Date \_\_\_\_\_

### GENETICS PRACTICE 4: PEDIGREES

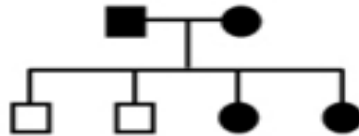
#### PEDIGREE #1



Could this trait be inherited as a simple...

|                         |     |    | If "YES", then<br>suggested genotypes of |               |
|-------------------------|-----|----|--|---------------|
|                         |     |    | <u>father</u>                            | <u>mother</u> |
| a. autosomal recessive? | YES | NO | _____ x _____                            | _____ x _____ |
| b. autosomal dominant?  | YES | NO | _____ x _____                            | _____ x _____ |
| c. X-linked recessive?  | YES | NO | _____ x _____                            | _____ x _____ |
| d. X-linked dominant?   | YES | NO | _____ x _____                            | _____ x _____ |
| e. Y-linked trait?      | YES | NO | _____ x _____                            | _____ x _____ |

#### PEDIGREE #2



Could this trait be inherited as a simple...

|                         |     |    | If "YES", then<br>suggested genotypes of |               |
|-------------------------|-----|----|--|---------------|
|                         |     |    | <u>father</u>                            | <u>mother</u> |
| a. autosomal recessive? | YES | NO | _____ x _____                            | _____ x _____ |
| b. autosomal dominant?  | YES | NO | _____ x _____                            | _____ x _____ |
| c. X-linked recessive?  | YES | NO | _____ x _____                            | _____ x _____ |
| d. X-linked dominant?   | YES | NO | _____ x _____                            | _____ x _____ |
| e. Y-linked trait?      | YES | NO | _____ x _____                            | _____ x _____ |