

Genetics Practice Problems - Simple Worksheet

1. For each genotype below, indicate whether it is heterozygous (**He**) or homozygous (**Ho**)

|          |          |          |          |
|----------|----------|----------|----------|
| AA _____ | Ee _____ | Ii _____ | Mm _____ |
| Bb _____ | ff _____ | Jj _____ | nn _____ |
| Cc _____ | Gg _____ | kk _____ | oo _____ |
| DD _____ | HH _____ | LL _____ | Pp _____ |

2. For each of the **genotypes** below determine what **phenotypes** would be possible.

*Purple flowers are dominant to white flowers.*

PP \_\_\_\_\_

Pp \_\_\_\_\_

pp \_\_\_\_\_

*Brown eyes are dominant to blue eyes*

BB \_\_\_\_\_

Bb \_\_\_\_\_

bb \_\_\_\_\_

*Bobtails in cats are recessive.*

TT \_\_\_\_\_

Tt \_\_\_\_\_

tt \_\_\_\_\_

*Round seeds are dominant to wrinkled seeds*

RR \_\_\_\_\_

Rr \_\_\_\_\_

rr \_\_\_\_\_