

Genetics Live Worksheet

Directions: Indicate whether the following are homozygous dominant, homozygous recessive, or heterozygous.

- **Homozygous Dominant** has 2 capital letters.
- **Homozygous Recessive** has 2 lowercase letters.
- **Heterozygous** have 1 capital letter and 1 lowercase letter.

TT _____

Bb _____

DD _____

Hh _____

ee _____

Dd _____

cc _____

Vv _____

gg _____

Yy _____

Determine the Phenotype (what it will look like) for each genotype listed. In other words, what would SpongeBob or Patrick look like if they received the following letters from their parents?

Spongebob's rectangle shape is dominant to a round shape.

RR _____

Rr _____

rr _____



Spongebob's yellow body color is dominant to orange.

YY _____

Yy _____

yy _____

Spongebob's buck teeth or overbite are dominant to straight teeth.

BB _____

Bb _____

bb _____

Spongebob's nice 4-fingered hands are dominant to big, ugly 5-fingered hands.

FF _____

Ff _____

ff _____

Patrick's triangle-shaped head is dominant to a square-shaped head.

TT _____

Tt _____

tt _____

Patrick's round belly is dominant to a flat belly.

RR _____

Rr _____

rr _____