

# 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