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 _____

LIVEWORKSHEETS