

IMBBR 315 Make Up Quiz # 5 (April 11, 2006)

Name _____ Lab (day) _____

1. (4 points) Name one way that double stranded RNA can be introduced into worms.

Four points for any one of these:

-Injection

-Feeding

-Soaking

2. (2 points) True or False: RNAi causes a change or mutation in the gene that has sequences that correspond to the double stranded RNA.

False

3. (2 points) True or False: RNAi causes a gene that has sequences that correspond to the double stranded RNA not to be transcribed into mRNA.

False

4. (2 points) True or False: RNAi causes a gene that has sequences that correspond to the double stranded RNA not to be translated from mRNA into protein.

True

5. (4 points) What type of molecule is studied with a northern blot.

RNA

6. (6 pts.) You need to prepare 100 ml of a solution that is 2 M NaOH and 1% SDS for use in a plasmid purification protocol. How much of each of the following stock solutions should you add to make this solution?

5 M NaOH _____ 40 ml – 2pts.

10% SDS _____ 10 ml – 2pts

dH₂O _____ 50 ml – 2pts.