

Bio 111 Pre-Lab for Lab #10: Name _____

GFP II: Transformation TA & Sect. _____

1) Go onto the course SPOC and watch the **Lab Video** called “Yeast in the Lab” – it’s in the session called “Genes are DNA”. Although this is about yeast, it turns out that the behavior of the bacterium *E. coli* that we will be using is very similar. Answer these questions based on the video; don’t worry about the discussion of replica plating. At about 3:09, we see a petri plate with some white stuff on it.

a) What are the white circular spots on the plate called?

b) What are these white circular spots made of?

c) Where did these white circular spots come from?

2) The lab manual talks a lot about pGLO.

a) What is pGLO made of? DNA? Protein? Something else? State the type(s) of molecules and explain your reasoning.

b) Would you expect molecules of pGLO to fluoresce in ultraviolet light? State “yes” or “no” and explain your reasoning

3) On the back of this sheet, give 3 to 5 short (~1 sentence each) bullet points describing, *in your own words*, what you will be doing in the lab today. There are a wide range of full-credit answers here; we will grade this as a 1-point check off.