

# Model Assessment and Conclusions

## Model Assessment

Does the model exhibit the two phenomena:

\_\_\_\_\_ (1) and  
\_\_\_\_\_ (2)?

Using a bifurcation analysis, we found parameter regimes which did exhibit

- Tumor \_\_\_\_\_ (3)
- Tumor \_\_\_\_\_ (4)
- Tumor \_\_\_\_\_ (5)

all of which have been clinically observed.

Response to chemotherapy can be tested by

\_\_\_\_\_ (6) of equations using the parameters  
estimated from mouse data.

## **Model Assessment and Conclusions**

### **Conclusions and Final Discussion**

For each of the models we have seen, both in class and from student projects, discuss:

- What are the main differences between the models?
- What are some of the weak-points in the models?
- How useful might the models be in practice?
- What are possible model improvements?
- What clinical tests do the models suggest?
- What biological theories do the models support or refute?