Reading journal articles:

**Background**

1. What is known already for the system being addressed?
2. What is not known or unproven?
3. What is the specific question(s) that is being addressed in this paper?

**Experiments**

For each experiment think about:

- What is the hypothesis being tested?
- What is the specific purpose of the experiment?
- How is the experiment designed?
- Are there appropriate controls?
- Does the experimental design address the question?
- What conclusions can you draw from the experiments?
- What conclusions can you NOT draw?
- Are there multiple explanations for the result?

**Conclusions**

1. Do the experiments presented address the initial question posed?
2. What kinds of models can you propose that would be compatible with the results?
3. What would be some additional experiments that could be done to prove/disprove alternative models?