Questions

- 1. What is the decomposition of 3 x 3*?
- 2. What is the decomposition of $3 \times 3 \times 3$?
- 3. What quark content can give a color singlet?
- 4. For three quark baryons with no orbital angular momentum, what are the possible J values?
- 5. What are the possible flavor irreps.?
- 6. How is the decuplet made?
- 7. How is the octet made?
- 8. Would there be any mass splittings within an SU(3) multiplet if SU(3) were exact?
- 9. Why do particles get heavier as strangeness increases?
- 10. Why is the Δ + = uud heavier than the p = uud?