

## BI 358 Active Learning Questions Lecture 11

1. Where are the *adrenals/suprarenals* located? What are the general *parts* and *zones* of the *adrenals* and what *hormones* do these areas produce?
2. In the female, where *anatomically* is the *uterus* relative to the *bladder*? *Why* might this precipitate frequent urination especially during the latter phases of *pregnancy*?
3. What are 1<sup>o</sup> *female hormones* (classes of hormones)? Where are they *produced*? What are their *target organs* and tissues? What are their *specific actions*?
4. What separates the *female sexual cycle* into *follicular* and *luteal phases*? What *hormone/s* induce/s this distinct separation? How do *theca* and *granulosa* cells interact in the production of *androgens* and *estrogens*?
5. Out of an estimated *180 million sperm* deposited during ejaculation, how many and what % make it to the *ampulla*, the *optimal site of fertilization*? How long does this *sperm travel time* take? How long can *sperm survive* in the *female reproductive tract*?