1. List the signs and symptoms of polycystic ovary syndrome (PCOS). What are the clinical consequences of PCOS? How is PCOS evaluated? What are some of the treatment options for PCOS?

2. What criteria are used to diagnose a patient with metabolic syndrome? How is metabolic syndrome treated?

3. What does ART stand for (in reproductive endocrinology)? Briefly describe or summarize the steps of in vitro fertilization (IVF) and intracytoplasmic sperm injection (ICSI). In IVF, what hormone is injected to trigger ovulation?

4. What are the goals of pre-implantation genetic diagnoses (PGD)? How will CRISP (Clustered Regularly Interspersed Short Palindromic Repeats) technology change PGD?

5. What is oocyte cryopreservation? When might it be used? Describe the basic steps involved. In IVF treatment of mitochondrial disease, what cell part is transferred and what is the donor cell type?