Pretest

1. Transmission of Zika virus can occur by which of the following methods (choose all that apply)?
   a. From the bite of an infected female *Aedes* mosquito
   b. Maternal fetal transmission during pregnancy
   c. Sexual transmission
   d. Blood transfusions

2. Physicians should consider the diagnosis of Zika virus if ≥1 of the following symptoms are present AND if the patient has a positive travel history (choose all that apply):
   a. Macular/papular rash
   b. Arthralgias
   c. Conjunctivitis
   d. Fever

3. If a patient with travel to an area with active Zika transmission comes to your office 3 weeks after the onset of symptoms, which test should you order first?
   a. RT-PCR of serum and urine
   b. Serum IgM
   c. PRNT
   d. Viral culture

4. What complications have been seen with Zika virus infections (choose all that apply)?
   a. Microcephaly
   b. Guillain-Barre syndrome
   c. Hemorrhage
   d. Enlarged spleen

5. To help prevent Zika virus transmission, the Centers for Disease Control and Prevention recommends what precautions when traveling to regions with Zika virus (choose all that apply)?
   a. Wear long-sleeved shirts and pants
   b. Use insect repellant
   c. Secure living quarters with screens
   d. Avoid mosquitos for three weeks after travel

Case 1: A 27 year old female presents to your clinic with several questions about the Zika virus. She wants to know what regions of the world have active cases of Zika virus. She also wants to know what modes of transmission the Zika virus uses.

1. What do you tell her in regards to where there are active cases?

2. What are the primary modes of transmission for the virus?
**Case 2:** A 30 year old male presents to your clinic with a maculopapular rash, arthralgias, low-grade fever, headache, and conjunctivitis. He developed these symptoms a week ago and was visiting a friend in Brazil.

1. Would you test him for the Zika virus?

2. If so, what initial labs for Zika virus would you consider?

**Case 3:** A young couple comes to your office to discuss preconception counseling. In the interview, you discover that the couple plans to visit their families abroad who live in an active Zika virus region.

1. If the male partner developed symptoms after visiting his family, how long should the couple wait until trying to conceive?

2. If the female partner developed symptoms after visiting her family, how long should the couple wait until trying to conceive?