**Concept Map of Ovulation/Menstruation**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in brain 🡪 releases gonadotropin releasing hormone (\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_) into blood vessels in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ gland 🡪 stimulates pituitary gland to produce follicle stimulating hormone (\_\_\_\_\_\_\_\_\_\_\_) 🡪 travels through blood stream to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 FSH helps mature the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the ovary 🡪 hypothalamus makes more \_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 stimulates pituitary to secrete luteinizing hormone (\_\_\_\_\_\_\_\_\_\_\_) 🡪 during peak of LH in blood, ovary releases \_\_\_\_\_\_\_\_\_\_\_\_ (ovulation) 🡪 egg travels through \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ tube 🡪 until it reaches the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_🡪 empty follicle turns to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 secretes progesterone and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 🡪 prepares \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ for pregnancy (thickens lining the lining known as the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_)

🡪 If egg is fertilized, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ continues to secrete progesterone to help nourish embryo

🡪 If the egg is not fertilized, hormone levels \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and the lining is shed



Answer key:

Hypothalamus in brain 🡪 releases (gonadotropin releasing hormone) GnRH into blood vessels in pituitary gland 🡪 stimulates pituitary gland to produce follicle stimulating hormone (FSH) 🡪 travels through blood stream to ovaries 🡪 FSH helps mature follicle in ovary 🡪 hypothalamus makes more GnRH 🡪 stimulates pituitary to secrete luteinizing hormone (LH) 🡪 during peak of LH in blood, ovary releases egg (ovulation) 🡪 fallopian tube 🡪 uterus

 🡪 empty follicle turns to corpus luteum 🡪 secrete progesterone and estrogen 🡪 prepares uterus for pregnancy (thickens lining- endometrium)

🡪 If egg is fertilized, corpus luteum continues to secrete progesterone to help nourish embryo

🡪 If the egg is not fertilized, estrogen levels decrease, and the lining is shed