

8. Name the hormone that would be produced in inadequate amounts in the following conditions. Place your responses in the answer blanks.

- _____ 1. Sexual immaturity
- _____ 2. Tetany
- _____ 3. Excessive urination without high blood glucose levels; causes dehydration and tremendous thirst
- _____ 4. Goiter
- _____ 5. Cretinism; a type of dwarfism in which the individual retains childlike proportions and is mentally retarded
- _____ 6. Excessive thirst, high blood glucose levels, acidosis
- _____ 7. Abnormally small stature, normal proportions
- _____ 8. Miscarriage
- _____ 9. Lethargy, falling hair, low basal metabolic rate, obesity (myxedema in the adult)

9. Name the hormone that would be produced in excessive amounts in the following conditions. Place your responses in the answer blanks.

- _____ 1. Lantern jaw; large hands and feet (acromegaly in the adult)
- _____ 2. Bulging eyeballs, nervousness, increased pulse rate, weight loss (Graves' disease)
- _____ 3. Demineralization of bones; spontaneous fractures
- _____ 4. Cushing's syndrome—moon face, depression of the immune system
- _____ 5. Abnormally large stature, relatively normal body proportions
- _____ 6. Abnormal hairiness; masculinization

10. List the cardinal symptoms of diabetes mellitus, and provide the rationale for the occurrence of each symptom.

- 1. _____

- 2. _____

- 3. _____
