Use the following list to answer questions 3–6. (answers may be used more than once)

A. Thyrotropin-Releasing Hormone
B. Somatostatin
C. Gonadotropin-Releasing Hormone
D. Corticotropin-Releasing Hormone
E. Dopamine

1. This hypothalamic factor decreases prolactin release.
   - E

2. This hypothalamic factor inhibits growth hormone secretion.
   - A

3. This hypothalamic factor stimulates secretion of two glycoprotein hormones.
   - C

4. Which of the following molecules is an insulin-regulated glucose transporter
   - B
     - GLUCONEOGENESIS
     - GLUT1
     - Glucokinase
     - GLUT2 — liver, kidney, pancreas
     - GLUT4
     - Na⁺–Glucose-ATPase

5. High levels of 25-OH cholecalciferol in an individual with hypocalcemia could be caused by
   - C
     - Hyperparathyroidism.
     - Primary hypersecretion of calcitonin.
     - A genetic defect of 1α-hydroxylase.
     - Hypersecretion of parathyroid hormone-related peptide (PTH-RP).
     - Primary hyposecretion of calcitonin.