

# UNIT 7 - ENDOCRINE SYSTEM

## ACTIVITY - Endocrine Fascinating Fairy Tales

### Objective:

The student will understand the functions of the glands of the endocrine system and the associated diseases.

### Strategy:

This is a group activity with two to four students per group.

Students will be assigned a specific hormone topic then make up a story using association with a common fairy tale to teach concepts to the rest of the class. Students should be instructed to have fun and be creative.

**(Note :)** This activity can be taken a step further by asking the students to prepare a skit or puppet show.

### Group #1: Pituitary Gland

Hormones: Growth Hormone (GH)  
Thyroid Stimulating Hormone  
ACTH  
Diseases: Dwarfism  
Gigantism  
Acromegaly

### Group #2: Thyroid Gland

Hormones: Thyroxine  
Diseases: Cretinism  
Myxedema  
Graves's Disease  
Exophthalmos  
Goiter

### Group #3: Adrenal Glands

Hormones: Epinephrine  
Norepinephrine  
Cortisol  
Diseases: Addison's  
Cushing's

**Group #4: Pancreas**

Hormones: Insulin  
Glucagon  
Diseases: Diabetes Mellitus  
Type 1  
Type 2  
Hypoglycemia

**Group #5: Thymus Gland and Pineal Gland**

Thymus Gland  
Hormones: Thymosin  
Diseases: Student will figure out the disorder

Pineal Gland  
Hormones: Melatonin  
Disease: Student will figure out the disorder

**Group #6: Gonads**

Ovary  
Hormones: Estrogen  
Progesterone  
Disease: Student will figure out a disorder

Testes  
Hormones: Testosterone  
Disease: Student will figure out a disorder