1. Work with your partner and match the diseases with their definition

1. Acromegaly	a) Disorder in which an underactive thyroid produces too little thyroxine.
2. Addison's disease	b) Disorder in children in which the anterior pituitary overproduces growth hormone, resulting in abnormal enlargement of the extremities (nose, jaw, fingers, and toes) and the long bones, causing unusual height.
3. Cushing's syndrome	c) Disorder caused by an overproduction of steroids (mostly cortisol) by the adrenal cortex, resulting in obesity and muscular weakness.
4. Diabetes mellitus	d) Disorder in which an overactive thyroid produces too much thyroxine.
5. Gigantism	e) Disorder in which the anterior pituitary overproduces growth hormone, resulting in abnormal enlargement of the extremities—nose, jaw, fingers, and toes; in children, the disorder produces gigantism.
6. Hyperthyroidism	f) Disorder in which the adrenal cortex underproduces cortisol and aldosterone, resulting in the disruption of numerous bodily functions.
7. Hypothyroidism	g) Disorder in which the body's cells cannot absorb glucose, either because the pancreas does not produce enough insulin or the cells do not respond to the effects of insulin that is produced.

2. Acromegaly and gigantism
Acromegaly is a disorder in(1) the anterior pituitary produces too much growth
hormone (GH). This causes an increased growth in bone and soft tissue, especially in the
extremities—nose, jaw, fingers, and toes. If the disorder occurs (2) children who have not yet
fully developed the increased levels of GH also result(3) the exceptional growth of the long
bones. This condition, a variation of acromegaly, is known as(4)
Acromegaly is a rare disorder, occurring in approximately 50(5) of every 1 million
people (6) men and women are affected. Because the symptoms come on gradually, the
disorder is often not identified until the patient is middle aged.
In 90 percent of(7) cases, acromegaly is caused by a noncancerous tumour that
develops within the pituitary. The tumour causes the anterior pituitary(8) ignore growth
hormone inhibiting hormone (GHIH), a regulating hormone secreted by the hypothalamus that stops
the pituitary from producing GH. GH(9) thus secreted without a stopping mechanism.
The first step in treating acromegaly is the surgical(10) of the tumour. Afterward,
some patients require medications that help to reduce the secretion of GH. With treatment, an
individual suffering from acromegaly may be able to live a normal (11) span. Without
treatment, an individual will most (12) die early because of the disorder's adverse effects on
the heart, lungs, and brain.
3. Addison's disease
Addison's disease is a disorder in which the adrenal cortex produces too little cortisol and
aldosterone, resulting in the (DISRUPT) of (NUMBER) bodily
functions. About 4 in every 100,000 people suffer from this disorder. It strikes men and women of all
ages.
The most common cause of Addison's disease is the (DESTRUCT) or shrinking of
the adrenal cortex. In about 70 percent of the cases, this is caused by an autoimmune disorder: a

of fore	on in which the body produces antibodies that attack and destroy the body's own tissues instead ign (INVADE) such as viruses and bacteria. In the case of Addison's disease, dies attack and destroy cells of the adrenal cortex.		
symptodiarrhodehydr the discommodrastic	Addison's disease tends to be a gradual,		
4. List	ening		
A) Cus	shing's disease		
1. 2. 3. 4.	the video and discuss the following questions with your partner: Is there a difference between Cushing's disease and Cushing's syndrome? If so explain what. How do we find out that a person is suffering from Cushing's disease? Who is susceptible to this disease? What treatment options are at our disposal? What are the adverse effects of bilateral adrenalectomy?		
Watch What is How is	the video and with your partner answer the following questions: s Grave's disease? s it diagnosed? reatment is available?		
Read tl	he sentences below and complete the gaps according to what you remember. Then listen once		
	nd check		
1	Grave's disease affects the and as it is an autoimmune disease are produced.		
2	The symptoms include:, bulging, exophthalmos, nervousness and		
3			
4	The thyroid gland is also examined by an scan to check that there are no		
5	In surgery, just the right of thyroid gland must be removed. The disadvantage of this treatment is that it leaves a and there is a risk of one of the nerves in the neck.		
6	Two other treatment options are which should be taken on a regular basis and to which you expose the thyroid gland. Both these methods the activity of the thyroid gland.		
	activity of the thyroid stand.		

5. a) Read the text quickly to find out what happens if thyroid gland is underactive in children. b) Read the text once more and complete the missing sentences. There is one which you do not need. Hypothyroidism Hypothyroidism is a disorder in which an underactive thyroid gland fails to produce or secrete as much thyroxine as the body needs. ____ (1) Thereby organs and tissues in every part of the body can be damaged. The disorder is one of the most common chronic (long-term) diseases in the United States. (2) Women are twice as likely as men to suffer from the disorder. Hypothyroidism is most often the result of Hashimoto's disease. In this disease, the body's defence system fails to recognize that the thyroid gland is part of the body's own tissues and attacks it as if it were a foreign body. _____(3) Infections caused by viruses and bacteria and a diet lacking iodine can also bring about hypothyroidism. Symptoms commonly include fatigue, decreased heart rate, weight gain, depression, muscle pain or weakness, dry skin, extreme sensitivity to pain, and puffiness of the face. (4) Such a state may be very dangerous for the patient. If hypothyroidism occurs in early childhood, the condition is known as cretinism. This condition results in dwarfism. ____ (5) Cretins (those suffering from cretinism) have scanty hair and very dry skin. They are often mentally retarded. However, if the condition is discovered early enough and medications to replace thyroxin are given, mental retardation and other symptoms can be prevented. Synthetic or man-made thyroid hormone medications are also given to adults to treat hypothyroidism. (6) a) However, we have to point out that these may not appear until years after the thyroid has stopped functioning. b) This treatment generally maintains normal thyroid hormone levels, allowing an individual to lead a normal lifestyle. c) Silent thyroiditis is found less often than the other two. d) Since this hormone is essential to physical growth and body metabolism, a low supply of this hormone can slow life-sustaining processes. e) Sometimes the gland is destroyed in the process. f) As many as 11 million adults and children may be affected by hypothyroidism. g) That means that the head and trunk, which should be about the same length as the legs, grow about one-and-a-half times larger. 6. Look at the text once more and find the words for these definitions in the text: a) To have an influence on or effect on something b) Performing necessary functions which keep the body alive c) The body of a human or animal excluding the head and limbs

d) To make available, to provide

g) Limited, not much, and less than is needed

h) To give permission or opportunity

e) Vital ____f) Swelling