**3. LISTENING SKILL Listening for dates and other numbers**

In the year 2010 , the number one chess player in the world was Magnus Carlsen from Norway. At the age of 19 , he was the youngest person ever to hold this position. Chess, however, is one of the oldest games in the world. The modern game of chess that we know today began in 1475, but we know that people were playing a similar game in India and Persia in the year 500 AD. From there, the game spread and reached Europe in about 1000 AD. It became very popular in Europe, especially in France and England. The first modern chess competition was in London in 1851 . A German man, Adolf Anderssen, won and became famous as the best player of his time. In more recent times, famous players include American Bobby Fischer, who was the champion from 1972 to 1975 , and Russian Gary Kasparov. He was champion for 8 years beginning in 1985 . The longest chess game lasted for 269 moves.

**3. VOCABULARY 1 PRACTICE**

|  |  |
| --- | --- |
| 1. Phil majored in **agriculture** at the university. | raising plants and animals for food |
| 2. Some trees are dying because of changes in the **climate**. | normal weather conditions in an area |
| 3. Rats are dangerous because they carry many **diseases**. | illnesses of the body in humans or animals |
| 4. The city closed the restaurant because of poor **sanitation**. | conditions related to public health |
| 5. He's a person of **average** height and weight. | normal or typical |
| 6. Please don't **interrupt** the lecturer. | to speak and stop someone from speaking |
| 7. I don't understand my **lack**of energy today. | not having enough of something |
| 8. We need to **decrease** the amount of fuel we use. | to make something smaller or less |

**4. LISTENING COMPREHENSION**

1. human bacteria and germs on the Martian environment
2. Martians attacking Earth
3. a machine that is exploring Mars
4. on the vehicles sent from Earth
5. to make sure the vehicles are as clean as possible
6. It means that there might be life on Mars.
7. They don't want pollution from Earth to spread to Mars.
8. They got sick from Earth's germs.

**5. LISTENING SKILL Recognizing facts and opinions**

|  |  |
| --- | --- |
| **Facts** | **Opinions** |
| * There is ice on Mars. * Traveling to Mars will cause changes in the human body. * Mars is much colder than earth. * It never rains on Mars. | * Travel to Mars is too risky for humans. * There are better things to spend money on than travel to Mars. * Humans can benefit from the resources on Mars. * Humans should not risk changing the Martian environment. |

**6. NOTE-TAKING SKILL Using notes to write a summary**

1. The study shows new findings.
2. The same bacteria that are helpful on the skin are harmful under the skin.
3. Some bacteria that live on the skin are helpful.
4. It's the name of the bacteria but not essential to the main idea of the research.
5. The effect of bacteria on the skin and under the skin
6. The bacteria are very dangerous to humans.

**8. VOCABULARY 2 PRACTICE**

1. The door opens by itself.
2. Your decision was an intelligent one.
3. The kitchen isn't modern enough.
4. Norma gets sick if she eats seafood.
5. Cleanliness is a good way to protect yourself from disease.
6. Kitchens often contain things that can make you sick.
7. Before you exercise, you should let your body process the food you eat.
8. If the windows are open, the car won't stay clean.

**9. VOCABULARY SKILL Using the dictionary**

1. an adjective
2. a noun
3. a verb
4. formal
5. first
6. third
7. sanitary

**10. GRAMMAR If clauses for future possibility**

1. if it doesn't rain soon, the city will run out of water .

2. if people don't start saving water, the city will make a law about it .

3. if people have to pay more for water, they will be unhappy .

4. if cows drink from the river, the water will become polluted .

5. if the water is polluted, other people won't be able to use the water .

6. if students wash their hands more often, they will get fewer colds .

**11. GRAMMAR EXPANSION Future time clauses**

1.  After I take the exam, I will move up to the next level.

2.  We will call you when it's time to leave.

3.  I'll read the chapter before I start my homework.

4.  After I call my mother, I will cook something for dinner.

5.  When I finish cleaning the kitchen, I am going to take a nap.

6.  I will buy some groceries before I come home.

7.  When the semester ends, we will have a two-week vacation.

8.  I will watch television after I do my homework.

9.  They will vist Spain before they go to Italy.

10.  Janet will send an email when she has time.

**12. PRONUNCIATION Function words and stress**

|  |  |
| --- | --- |
| **Function Words** | **Content Words** |
| * I want **to** decrease **the** amount of germs I get **on my** hands. * **My** mother believes using soap **and** water **is the** best way to clean **your** hands. * Everyone **should be** sensible about keeping **their** bodies clean. | * I **clean** my hands a lot because I think **sanitation** is important. * Keeping **clean** is a good defense against **diseases**. * I think using **sanitizer** is better because it kills **bacteria**. * **Both ways**help you stay **healthy**. |

**13. CRITICAL THINKING VIDEO Appraising solutions to problems**

1. It helps you find the best solution.
2. a criterion
3. It will stop animals from getting to the river.
4. It causes more problems than it solves.
5. It was cheaper than building a new water system.
6. Build a water system.
7. Wait until you have more money to go out to eat.
8. Wait until you can afford to live alone before getting a pet.

**14. SPEAKING SKILL Participating in a group discussion**

1. She refers to what the previous speaker said.
2. She goes off the topic.
3. He interrupts.
4. She speaks too softly.
5. He listens for the main ideas of the conversation.
6. He invites others to participate in the discussion.

**17. TRACK YOUR SUCCESS Vocabulary review**

|  |  |  |
| --- | --- | --- |
| **﻿Nouns** | **﻿Verbs** | **﻿Adjectives** |
| * allergy * shortage * bacteria * dirt * germs * consequence * agriculture * disease * climate * defense | * prevent * digest * grow | * old-fashioned * sensible |