**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Part 1**

**Vocabulary**

**Circle the best answer to complete each sentence.**

1. Scientists have \_\_\_\_ of new species of animals that live in the deep ocean.

A) instructed

B) identified

C) distributed

2. The company’s website allows customers to leave \_\_\_\_ about their experience with the products.

A) guidelines

B) instructions

C) comments

3. The IKEA \_\_\_\_ provided a $400,000 donation support a literacy program for children in Haiti.

A) Corporate

B) Foundation

C) Fundamental

4. Colin is unable to hear, so he uses sign language to \_\_\_\_ with people.

A) contact

B) communicate

C) comment

5. He \_\_\_\_ the weeds from his garden, so now it looks beautiful.

A) eliminated

B) transferred

C) encountered

6. The dietary \_\_\_\_ recommend that people eat more vegetables, less fat and salt, and exercise more.

A) institutes

B) journals

C) guidelines

**Circle the word that has the same meaning as the underlined word in each sentence.**

7. The new airport screening devices are designed to make flying more secure.

A) safe

B) worried

C) locked

8. Some stores adopt a policy that the customer is always right in order to avoid conflict.

A) agreement

B) argument

C) management

9. A corporation is a legal entity created under the state’s law.

A) product

B) citizen

C) company

10. Eddie revised his essay before submitting it to his professor.

A) edited

B) quoted

C) copied

11. His brother has diabetes and requires a minimum of four shots of insulin each day.

A) at least

B) exactly

C) more than

12. Lori is constantly in pain since she fell off her horse.

A) usually

B) always

C) instantly

**Circle the correct word form to complete each sentence.**

13. The participants were given a set of \_\_\_\_ tests to evaluate their mental abilities.

A) challenge

B) challenged

C) challenging

14. Neal uses a wheelchair, so his car had to be \_\_\_\_ before he could drive it.

A) modify

B) modified

C) modification

15. The exams are \_\_\_\_ so the instructors can immediately view the results.

A) computed

B) computerized

C) computation

16. Employees were told to \_\_\_\_ the exact number of hours they spent on the project.

A) specify

B) specific

C) specified

17. There is \_\_\_\_ evidence that a healthy diet and exercise will help you live longer.

A) denied

B) denial

C) undeniable

18. The engineers thought the building would be completed by the end of the year, but their \_\_\_\_ was wrong.

A) project

B) projected

C) projection

**Use six of the words in the box to complete the sentences.**

alternative declined environmental evaluated

flexible fundamental instruction transfer

primary process quotes rejected

responded sequence themes volume

19. Throwing old electronic devices into the trash causes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ problems such as soil and water pollution.

20. The effect of war on children is one of the major \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in her movies.

21. Chris thinks that living on a farm is a wonderful \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to a stressful city life.

22. After the author published his last book, he received a huge \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of mail from his fans.

23. Delilah has asked the student housing coordinator for a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ because she doesn’t get along with her roommate.

24. I left several messages with Customer Service, but no one has \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ to my calls.

**Match the word on the left with the dictionary definition on the right. Write the letter on the line.**

|  |  |
| --- | --- |
| \_\_\_\_ 25. instruct | A. serious and very important |
| \_\_\_\_ 26. equivalent | B. something that you can choose to have or do |
| \_\_\_\_ 27. fundamental | C. equal in value, amount, meaning, or importance |
| \_\_\_\_ 28. contribute | D. to give something, especially money or goods |
| \_\_\_\_ 29. annual | E. to tell somebody to do something |
| \_\_\_\_ 30. option | F. happening or done once every year |

**Part 2**

**Listening**

**Listen to the interview. Circle the best answer to complete each sentence.**

31. Dr. Gretchen Sanders is \_\_\_\_ later this week.

A) giving a presentation

B) designing a robot

C) assisting a surgeon

32. A robotics engineer \_\_\_\_.

A) builds automatons that are similar to robots

B) assists surgeons in performing robotic surgery

C) designs robots that do tasks people can’t or don’t want to do

33. AI stands for \_\_\_\_.

A) artificial invention

B) automatic intelligence

C) artificial intelligence

**Listen to the interview again. As you listen, complete the timeline.**

|  |  |
| --- | --- |
| 400 BCE | Ancient Greek Archytas constructed artificial bird |
| (34.) \_\_\_\_\_\_\_\_ | Arabic engineer Al-Jazari designed automatons + published a book |
| 15th C. | Leonardo da Vinci sketched plans for a human-like  (35.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (36.) \_\_\_\_\_\_\_\_ | Japanese created automatons – karakuri puppets |
| 18th C. | Swiss inventor Pierre Jaquet-Droz also made automatons |

**Circle the best answer to each question.**

37. Which words in the sentence signal a definition?

In the 13th century, the Arabic engineer Al-Jazari designed several automatons, which are mechanical devices that can move and perform tasks.

A) which are

B) that can

38. Which words in the sentence signal information?

Right now, there are exciting developments in the medical field—for instance, robotic surgery.

A) there are

B) for instance

39. Which word in the sentence signals a reason or explanation?

There is no particular date that robotic technology started because it evolved over a long period of time.

A) There

B) because

40. Which question asks for an example?

A) Such as?

B) Really?

41. Which sentence gives an example?

A) Shakey was the first intelligent robot that could make its own decisions about how to behave.

B) There are exciting developments in the medical field—for instance, robotic surgery.

42. Which question asks for clarification?

A) Could you explain what a robotics engineer does?

B) When was robotic technology invented?

43. Which sentence uses a sequence word or phrase?

A) There is no particular date that robotic technology started.

B) Then, in the 15th century, Leonardo da Vinci sketched plans for a human-like robot.

44. Which sentence expresses an opinion?

A) That’s very impressive.

B) I’m afraid that’s all we have time for today.

45. Which sentence paraphrases the following statement?

These robots assist surgeons in performing operations with minimal errors.

A) These robots help doctors perform surgery with few mistakes.

B) Minimal errors are made by robotic doctors assisting surgery.

**Listen to the conversation. Circle the best answer to complete each sentence.**

46. The topic of the students’ presentation is \_\_\_\_.

A) electronic devices

B) recycling in Ghana

C) e-waste disposal

47. Electronic devices contain \_\_\_\_ metals that pollute the soil, water, and air.

A) special

B) toxic

C) illegal

48. People in developing countries break up the e-waste looking for \_\_\_\_.

A) gold, silver, and copper parts

B) income for their families

C) metals such as lead, cadmium, and mercury

**Listen to the conversation again. As you listen, decide whether each statement is a fact or an opinion. Write the letters of the statements under *Fact* or *Opinion* in the T-chart.**

A. A lot of this e-waste goes to Ghana, a country in Africa.

B. Sadly, many young children do this work.

C. People can make money breaking up the devices and selling the parts.

|  |  |  |
| --- | --- | --- |
|  | **Fact** | **Opinion** |
| 49. | \_\_\_\_ | \_\_\_\_ |
| 50. | \_\_\_\_ | \_\_\_\_ |
| 51. | \_\_\_\_ | \_\_\_\_ |

**Circle the best answer to each question.**

52. Which word(s) in the sentence signals the name of a person or group?

A group called StEP, which stands for Stop the E-Waste Problem, recommends that the recycling process be changed.

A) called

B) stands for

53. Which word in the sentence signals a place?

A lot of this e-waste goes to Ghana, a country in west Africa.

A) goes

B) in

54. Which word in the sentence signals a reason?

I think we should focus on Ghana because we’ve only got 15 minutes.

A) because

B) only

**Complete the outline of the student’s presentation by putting the statements below in the correct order. Write the letter on the line.**

1. Main Idea - Overview of (55.) \_\_\_\_\_\_\_\_

Supporting detail – e-waste = old phones, computers, TVs

Supporting detail – lead, cadmium, mercury = toxic

2. Main Idea - The problem of dumping e-waste in (56.) \_\_\_\_\_\_\_\_, e.g. Ghana

Supporting detail – people look for gold, silver + copper + sell it

Supporting detail – very bad for (57.) \_\_\_\_\_\_\_\_ (esp. kids) + environment

3. Main Idea - Recommendations for the proper disposal of e-waste

Supporting detail – never throw e-waste in trash

Supporting detail – (58.) \_\_\_\_\_\_\_\_ or make art!

A. people’s health

B. recycle or donate

C. e-waste disposal

D. developing countries

**Circle the best answer to each question.**

59. Which sentence gives advice or makes a recommendation?

A) Never throw old devices in the trash.

B) They’ll end up in landfills and pollute the soil, water, and air.

60. Which sentence paraphrases an expert to support an opinion?

A) Sampson found that toxic metal levels were nearly 50 times higher than in other areas.

B) Sampson says it hard to end the e-waste recycling industry because it generates income for so many families.

**Part 3**

**Speaking**

**Write notes for a two-minute speech about a robot you would like to design. Then present your speech to the class.**

* Imagine that someone has asked you to design a robot.
* What does your robot do?
* What problem does the robot solve?

**Write notes for a two-minute speech about recycling. Then present your speech to the class.**

* Imagine that someone has come to live in your community who doesn’t know about recycling.
* What products should be recycled?
* Express your opinion about why recycling is important.