SO+ Unit 4.1. Surname Name Group

Task 1. Find the correct alternative to the following words:

habitat / database / experiments / findings / analyse/

monitor / to measure / samples/ organism / data

1. Creature, living being, life form, entity
2. Trials, tests, investigations, studies
3. Observe, supervise, track, oversee
4. Information, facts, statistics, records
5. Results, outcomes, discoveries, conclusions
6. Repository, archive, collection, information system
7. Examine, scrutinize, assess, evaluate
8. Assess, quantify, gauge, determine
9. Environment, ecosystem, dwelling, surroundings
10. Specimens, examples, instances, representatives

Task 2. Match the parts to create meaningful sentences.

1. The scientist compiled all the research data into	a) to monitor the movement of wildlife in the national park.
2. Researchers installed motion sensors	b) samples from different regions to study the microbial diversity.
3. In order to study the migratory patterns of birds, the researchers set up observation stations	c) to analyze the results of the experiment.
4. The microbiologist collected soil	d) a comprehensive database for easy access and analysis.
5. The scientist used a calibrated ruler	e) in different habitats to monitor their behavior throughout the year.
6. The research team will use statistical methods	f) the findings before drawing any conclusions.
7. The laboratory conducted a series of	g) to measure the length and width of the plant leaves.
8. It is important to carefully analyze	h) data on weather patterns to study climate change trends.
9. The biologist examined the microscopic	i) experiments to test the effectiveness of the new drug in treating the disease.
10. The research team gathered extensive	j) organism under the microscope to determine its classification.

Task 3. Choose the correct alternative.

1. The scientist collected various _____ from the field to study the biodiversity of the ecosystem.
   a) samples b) findings c) experiments
2. The research team used advanced technology to _____ the behavior of the endangered species in their natural _____.
   a) measure, data b) analyze, organism c) monitor, habitat
3. After conducting numerous _____, the scientists compiled their _____ and drew meaningful conclusions.
   a) data, database b) experiments, findings c) monitor, habitat
4. The researchers employed statistical methods to _____ the collected _____ and identify significant trends.
   a) measure, findings b) analyze, data c) samples, experiments
5. The study's _____ provided valuable insights into the effects of climate change on the _____.
   a) habitat, monitor b) samples, organism c) findings, habitat
6. The team created a comprehensive _____ to store and organize the research _____.
   a) samples, database b) organism, experiments c) measure, monitor

b) In order to study the growth rate of the plant species, the scientists had to _____ its height and diameter at regular intervals.
   a) samples, analyze b) measure, organism c) monitor, data

c) The researchers recorded their _____ in a well-structured _____ for future reference.
   a) habitat, findings b) experiments, data c) samples, monitor

d) The biologist conducted a series of _____ to investigate the feeding habits of the aquatic _____.
   a) experiments, organism b) data, habitat c) findings, measure

e) The study aimed to _____ the relationship between habitat quality and species diversity through extensive field _____.
   a) analyze, experiments b) monitor, findings c) data, samples

CONDITIONALS

Task 4. Choose the correct variant to fill in the gaps.

1. If I _____ a billionaire, I would travel the world.
2. If she had caught the train, she _____ARRIVE on time.
3. If they _____GO to the party, they would have met many interesting people.

4. If we _____HAVE access to a well-maintained database, we will easily compare and analyze the measurements from different samples.
5. If he arrives early, he _____ CATCH the first flight.
6. If they _____GO to the concert yesterday , they _____ENJOY great music.
7. If she _____WIN the lottery, she _____ BUY a luxurious mansion.
8. If we _____OBSERVE the organism in its natural habitat, we _____ GATHER valuable data about its interactions with other species. Unfortunately, it is impossible now.
9. If we _____ harder, we would have passed the exam.
10. If we _____TRACK changes in the habitat over time, we _____ better UNDERSTAND the impact on the organism's population dynamics.

Task 5. Read the article and choose the best title, a), b) or c).

a) Rebuilding a forest

b) The death of a forest

c) Creating a natural park

On 19 January 2013 Cyclone Gong passed through the Bussaco (Buçaco) National Forest in Portugal. When the storm hit, the wind speeds were high and hundreds of trees were damaged. Once the data was collected, it was estimated that about forty percent of the forest was affected. Some of the most well-known and extraordinary trees had fallen down or had to be cut down due to the damage. The destruction of this ancient collection of trees was **extensive** and when you look at the long history of this 105-hectare site, you realise how important it was to protect it and restore it to how it was before.

The forest's history

The forest has a documented past going back to the sixth century. Initially, it was home to a convent and then a palace (now a hotel) and nowadays it is also a natural habitat to over fifty-six species of animals and visited by many tourists. Unfortunately, as soon as the foundation that manages the forest realised the **extent** of the damage, they knew that they didn't have the money to repair it all themselves. In order to replant all the trees that had been blown down in the storm, a community project called Bussaco Digital was started, combining technology with environmental **awareness**.

Bussaco Digital

The project involved an online **platform** where individuals, companies and schools could choose a species of tree they wanted to plant, from a choice of 250 types. Using GPS coordinates, they could see exactly where that tree had been planted in the forest and even view it on Google Earth. If you wanted to check on your tree, you could visit it and even dedicate it to a loved one. In addition, the fallen trees were used in many different ways: one ancient tree called Cedro de São José, which was brought down in the storm, was used to make a small bridge, and other fallen trees were used to make furniture.

The future

The great benefit of this project is that unless another storm hits the area in the near future, the money raised can continue to be used to improve **conservation** in the area while also supporting educational workshops and the local economy. How successful has the project been? Well, thousands of schools and corporations have planted trees, together with a large number of individuals. It will take time for the forest to recover from the storm, but thanks to this initiative, it is going in the right direction.

Task 6. Read the article again. Are the statements true (T) or false (F)?

1 More than half the forest was destroyed by the cyclone.

2 There were famous trees in Bussaco National Forest.

3 People lived in the forest in the past.

4 Bussaco Digital uses technology to motivate people to help reforestation.

5 People have to visit the forest to see the location of the tree they sponsored.

6 The project has only been supported by businesses.