English

Semester 5 – Class 4

Licence Sciences de la vie

DNA

A. Pair work. What do you know about…

DNA	
Genome	
Chromosomes	
A gene	
A protein	

B. Vocabulary: BBC Knowledge Explainer DNA

Watch the video and find the English equivalents.

1. la progéniture, la descendance		2. être stocké	
3. une double hélice		4. un brin (d'ADN)	
5. une sauvegarde, un plan de secours		6. efficace	
7. le noyau		8. une cellule	
9. une protéine		10. jouer un rôle, accomplir une tâche	

11. une seule (cellule…)		12. la forme	
13. une espèce		14. des particularités, caractéristiques	
15. la hauteur		16. le caractère unique, la singularité	
17. une empreinte digitale		18. la précision	
19. un parent		20. des bactéries	
21. des preuves		22. élever, faire naître	
23. l'ingénierie génétique		24. modifier, transformer	
25. la sécheresse		26. très long, interminable	
27. par erreur		28. étiqueter, catégoriser	
29. imprévu		30. subtile	

C. Watch the video again and find some answers to question

DNA	
Genome	
Chromosomes	
A gene	
A protein	

D. Grammar. Uncountable nouns.

a. Observe and translate the following phrases:

"Information is stored in DNA."

_____

"to safeguard this precious genetic information"

_____

b. What do you notice? _____

c. How do you call nouns that are seen as a whole and cannot be divided to be counted?

_____

d. Fill in the following words:

advice, chocolate, sweat, jam, lemonade, meat, dandruff, milk, oil, rice, tea, tennis, sugar

Example: a lump of ***sugar***

1) a piece of
2) a packet of
3) a bar of
4) a glass of
5) a cup of
6) a bottle of
7) a slice of
8) a barrel of
9) a game of
10) a jar of
11) a flake of
12) a bead of

e. In each sentence, choose the best phrase to complete the gap from the choices below.

1. The receptionist at the front desk gave me two _____
   a) informations b) information c) pieces of information
2. My cousin is beautiful. She has green eyes and _____
   a) Long hair b) long hairs c) a long hair d) a long length of hair
3. _____ have you got in the bank? Is it enough to buy a house?
   a) How many moneys b) how many money c) how much money
4. On Saturday Paul went fishing and he caught _____
   a) Three fish b) three fishes c) three items of fish
5. Can I borrow _____ from you?
   a) paper b) a paper c) a slice of paper d) a piece of paper

6. Every morning I spend 30 minutes doing _____. This is how I stay slim.

   a) exercise b) an exercise c) some exercises

7. United Airlines allows two _____ per passenger.

   a) luggages b) pieces of luggages c) pieces of luggage

E. Group work. Speaking.

In groups of three or four, you will be given one of the following debate topics and will have to argue in favour of one side.

Is it ethical to produce and consume genetically modified organisms (GMOs)?
Should law enforcement have access to everyone's DNA for solving crimes?
Should cloning be used to bring back endangered or extinct species?
Should employers be allowed to use genetic testing to make hiring decisions?
Should we use gene editing to enhance human traits like intelligence, athleticism, or appearance?
Should genetic testing be required for individuals applying for health insurance?
Should genetic predispositions for criminal behaviour be used in criminal justice?
Should genetic tests be used to identify children with potential for athletic success?

F. Writing

Write 150 words to answer the following question:

Should we use gene editing to enhance human traits like intelligence, athleticism, or appearance?