

CLASS 4 – Answer Key

1. Warm-up
2. Cloning (listening & vocabulary)
3. Grammar: will and order (advanced)
4. Pronunciation: the silent b and l
5. (Public?) Speaking

1. Warm-up

Jobs physicists can apply to

2. Cloning (listening and vocabulary)

Vocabulary

Find the equivalents of the following words while listening to the video.

<https://youtu.be/VYexAg2J6Kc> (jusqu'à 4 min 50) Why we still haven't cloned humans

1. des embryons	embryos	2. des obstacles	hurdles
3. retenir quelqu'un	To hold someone back	4. inefficace	ineffective
5. des mères-porteuses	surrogates	6. des anomalies	abnormalities
7. des scientifiques	scientists	8. retirer	To remove
9. mais on peut dire / soutenir que	but arguably	10. des inconvénients	downsides
11. théoriquement	theoretically	12. une fausse couche	A miscarriage

13. causé, provoqué	induced	14. tomber à l'eau, mourir (sens figuré)	to peter out
15. une réplique	A replica	16. des cellules souches	Stem cells

3. Grammar – expressing willingness, order, and intention

a. Same subjects

I want to sleep.

My friend needs to go to the hospital.

Negation: I don't want to leave now.

b. Different subjects

I want you to go to work.

My parents don't want me to drink alcohol.

Negation: I don't want you to cry. / I want you not to cry. → what's the difference?

c. Other uses of "will"

Difference between will as a verb and will for the future tense

Examples:

- She was willing to help.
- He won't answer the phone. → How would you translate this?

⇒ Il refuse de répondre.

- Person A: Say hi to your sister for me.
- Person B: Will do. → How would you translate this?
- Will do! = > Je n'y manquerai pas.

d. Demands.

When we express a demand, requirement, or strong recommendation using a main verb of will or order, the following clause uses the subjunctive mood (bare base form of the verb).

→ Pattern: Subject + Verb of Will/Order + that + Subject + Base Verb

- Incorrect: ~~The lab manual demands that the student calibrates the sensor.~~
- Correct: The lab manual demands that the student calibrate the sensor. (Even though "the student" is third-person singular)
- Negative: The professor insists that we not touch the vacuum chamber. (Do not use "don't" or "doesn't").

Common verbs for this structure: demand, require, insist, order, recommend, propose, urge.

Exercise 1 - Subjunctive: Spot the Error

The following sentences are excerpted from a draft of a lab report. Find and correct the errors in the subjunctive structures.

1. Incorrect: The safety protocol mandates that every researcher wears radiation badges near the particle accelerator.
2. Incorrect: The lead scientist proposed that the team repeats the thermodynamics experiment at a lower pressure.

3. Incorrect: Due to high voltage risks, the manual requires that an undergraduate student doesn't operate the electrostatic generator alone.
4. Incorrect: The peer reviewer recommended that the author includes a secondary error analysis in the conclusion.
5. Incorrect: Our professor insisted that the liquid nitrogen is stored strictly in cryogenic dewars.

Answers:

Exercise 1: Spot the Error

1. Change wears to wear (...mandates that every researcher wear...)
2. Change repeats to repeat (...proposed that the team repeat...)
3. Change doesn't operate to not operate (...requires that an undergraduate student not operate...)
4. Change includes to include (...recommended that the author include...)
5. Change is to be (...insisted that the liquid nitrogen be stored... — Note: This is the passive subjunctive!)

Exercise 2: Mixed structures. Translate the following sentences into English.

1. Je veux que tu me respectes.
I want you to respect me.
2. Je m'attends à ce que Jane se fâche.
I expect Jane to get angry. / I am expecting Jane to get angry.
3. Ils ne veulent pas que nous les aidions.
They don't want us to help them.

4. Nous avons besoin que tu télécharges ce document.
We need you to download this document.
5. Il refuse de se faire tester.
He won't get tested.
6. Mes collègues exigent que nous ne partions pas trop tôt du travail.
My coworkers demand that we not leave work too early.
7. Le règlement impose que nous soyons à l'heure.
The regulations require that we be on time.

4. Pronunciation: silent b and l (+ reminder l)

- Difference between the French l and the English l
- Target: Removing "ghost" sounds.
- Drill: Focus on the ending of the word.
- Exercise: Pronounce: Coulomb (Coo-lom), Half-life (Haf-life), talk (tak), walk (wak)

5. Public Speaking in class or as homework

- **Speaking on Jurassic Park** (movie). Watch the 'DNA explanation' extract. How were dinosaurs made? Does this make sense?

- **Speaking:** What are the concerns raised by cloning? What must be paid attention to as far as ethics and morals are concerned?

Finished early?

Cloning and Genetic Engingeering

U E R M I O E A V A I O T K A X H T E Y Y J T D
Z N B Q P Z M H X M K V O T I J H B H J W E G X
R O Z D H E X I C U H N O I T R O B A M F H I J
N L W A I F T E U W R N D R I N A W B G Z T W N
A C M U U V K E U L D C B M S I B O E N E L F M
T M T E W Q E N R G A A R A D K U E N X O A S K
U U A Z B G R R E K X J R O W J S T W C H E N A
R Q K T K N F N S N N L O T H C E H I P X H N Q
A C U U X X E S C I Z E T Z C E R I L N X Z O S
L B S I Z T U T O H T N A P O V Y C S R M J W T
O P W K I T J S X S T Y T L H G H S O E C V J T
R L B C S L E T O V L S C M E C L O N E D S Y H
D A S P F I H W D A A W I B X C B P B M L N X D
E Y H Z Q X R A Q R N W D X M Z X A P Q N R R R
R I J C Q P K N U D O L B U I N O K F G F K B I
T N C F C L L D W Y I H S G Y L K J C X V Q N N
K G R O W S D F D K T J V T Y F E A H R P C N K
P G J E E M N P H A O A W K C T T H W W L M S W
G O Y N U T N Z T V M G P L W H V R E A Q P P A
Z D O D Y N U M M Z E D O C O C S Q N L Q O S T
J L P R M X G I Z Y R N A L E C Z M D V B T R E
C K C X F L O O M Z I R I B L P C Z K M W U G R
J H M H V H I J A N U C D C M P X U F H F R O I
B H O L H D D O G D S C H I E E H J S H M M Z D

RISKS	ABUSE	EMOTIONAL	HEALTH
BEN WILSON	ABORTION	LCFC	CLONED
CLONES	CLONE	DOUBLE HELIX	PETER KNEALE
DICTATOR	NATURAL ORDER	PLAYING GOD	DRINKWATER
ETHICS	DIVERSITY	HORCRUX	YARDY
CATHOLICS	GENETICS	DNA	CLONING