

Insights 5 T3. The ubiquitous woman KEY

Engage p. 35

CERVIX is the narrow end at the opening of a woman's uterus (*kohdunkaula*).

TUMOR is a mass of tissue found in or on the body that is made up of abnormal cells (*kasvain*).

CELL is the smallest structural unit of a living thing, together cells form all living things (*solu*).

DIAGRAM is a line drawing made for mathematical or scientific purposes (*diagrammi*).

IN VITRO FERTILIZATION is the fertilization of an egg (*munasolu*) in a laboratory dish or test tube (*keinohedelmöitys*).

MITOSIS is a process of cell division in which two new nuclei are formed (*solunjakautuminen*).

EMBRYO is a human or animal in the early stages of development before it is born (*alkio*).

GENE MAPPING is used to identify and record the location of genes and the distances between genes on a chromosome (*geenikartoitus*).

IMMORTAL is something that lives forever (*kuolematon*).

Suggested 3a p. 38

1 Q: What kind of a woman can you see in the picture?

2 Q: What is HeLa?

3 Q: What happened to Henrietta's cells after her death?

4 Q: How many of Henrietta's cells are alive today?

5 Q: How did the writer find out about HeLa cells?

6 Q: What happens in mitosis?

7 Q: When can cancer occur?

8 Q: Why do we still have Henrietta's cells?

9 Q: What is special about Henrietta's cells?

10 Q: What is contradictory about Henrietta and her cells?

3c p. 40

1. the late 1940s

2. reached the age of thirty

3. hundreds of times

4. what kind of life she led

5. advances in medicine

6. spanning more than 350 million feet

7. a bit over five feet tall

8. I first learned about

9. every twenty-four hours

10. millions... of Henrietta's cells

11. in small vials on ice

12. one of the most important things

13. in the last hundred years

14. in one fast swipe

15. students filed out of the room

16. There has to be more to the story.

3d p. 40

1. one of the most famous
2. spanning more than 2100
3. the late 1930s
4. hundreds of times
5. many Americans first learned about ALS
6. had reached the age of forty
7. there have been significant advances in medicine
8. in the last 20 years

3e p. 41

1. identified
2. inconceivable
3. estimate/calculate
4. calculate/estimate
5. oblivious
6. immortal
7. vicious
8. suppress
9. heal
10. trigger

3h p. 42

1. c
2. b
3. a
4. c
5. a

DIY p. 42

Craig 185 cm, 95 kg, 11,3 km
Cathy 173 cm, 72 kg, 183 m

3i p. 43

1. i
2. j
3. a
4. f
5. g
6. b
7. c
8. e
9. h
10. d