

Reading Part C – PPP09 C1

Vocabulary, Technique & Practice

Exercise 1

Match the vocabulary with the definitions:

Vocabulary	Match	Definition
1. exponentially		a) get the essence of something from a larger quantity
2. poised		b) working through a lot of data, using calculations
3. profound		c) become more than
4. implications		d) growing really quickly / multiplying rapidly
5. constellation		e) offer something at a lower price than someone else
6. frontier		f) ready for action
7. undercut		g) possible outcomes (generally negative)
8. crunching		h) a collection of stars, usually in a pattern
9. distil		i) the edge of what is known / has been experienced
10. surpass		j) deeply serious

Exercise 2

What language from above could be used to paraphrase the below? Can you respond, using the vocabulary?

- The rate of obesity in the UK > France, in recent years.
- Private dentists in the UK are under threat from cheaper institutions in countries like Turkey.
- We're all worried about what might happen if we don't tackle climate change.
- It's time for me to retire. My assistant has all of the experience and skills necessary to take over.
- When speaking to patients it is important to listen to everything carefully and get the specific information we really need to help them.
- The use of AI in healthcare requires us to think seriously about what it can mean for humanity.

Exercise 3

Work out the meaning of the words in **bold** from the context:

1. Once algorithms can anticipate **incipient** stages of conditions like heart failure, doctors will be better able to offer treatments tailored to the patient's circumstances.
2. Despite its scientific **promise**, machine learning in medicine remains controversial.
3. It adds a new **voice** – the voice of the machine – to key medical decisions.
4. Machine learning is often a **black box**: data goes in, and answers come out but it's often unclear why.
5. While health data is **proliferating**, the quantity, quality and format vary **wildly**.
6. The data collected is not **curated** for research purposes. It is used mainly for billing and **reimbursement** purposes.
7. The **tide** of available medical data continues to rise, which is **tantalising** for **scientists** because it is valuable in ways we don't yet know.

Answers

Vocabulary	Definition
1. exponentially	growing really quickly / multiplying rapidly
2. poised	ready for action
3. profound	deeply serious
4. implications	possible outcomes (generally negative)
5. constellation	a collection of stars, usually in a pattern
6. frontier	the edge of what is known / has been experienced
7. undercut	offer something at a lower price than someone else
8. crunching	working through a lot of data, using calculations
9. distil	get the essence of something from a larger quantity
10. surpass	become more than

Exercise

What language from above could be used to paraphrase the below?

- The rate of obesity in the UK > France, in recent years.

The rate of obesity in the UK has **surpassed** that of France.

- Private dentists in the UK are under threat from cheaper institutions in countries like Turkey.

Private dentists in the UK are being **undercut** by cheaper institutions in countries like Turkey.

Cheap institutions in countries like Turkey are **undercutting** private dentists in the UK.

- We're all worried about what might happen if we don't tackle climate change.

We're all worried about the **implications** if we don't tackle climate change.

- It's time for me to retire. **My assistant is poised** to take over.

5. When speaking to patients it is important to listen to everything carefully and **distil** the specific information we need to really help them.
6. The use of AI in healthcare requires us to think seriously about what it can mean for humanity.

The use of AI in healthcare asks **profound** questions.