Unit 7 Vocabulary Test: Science & Research

I. Vocabulary in Context

Complete the sentences by filling in the missing prepositions.

1. Even as a child, she seemed to have a natural aptitude _____ mathematics.
2. It is vital that scientists from different countries collaborate _____ each other on large-scale projects.
3. After years of study, he has finally become an expert _____ marine biology.
4. In her acceptance speech, she made reference _____ the colleagues who helped her succeed.

II. Scientific Terminology

Write the word to the definition

	Definition	Word
1.	A mathematical statement that two expressions are equal (e.g., $E = mc^2$).	
2.	The speed of something in a given direction.	
3.	A chemical substance with a pH level of less than 7.	
4.	The central and most important part of an atom, containing protons and neutrons.	
5.	A numerical quantity that is not a whole number (e.g., ½).	

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6.	A process or set of rules to be followed in calculations or other problem-solving operations.	
7.	The emission of ionizing radiation or particles caused by the spontaneous disintegration of atomic nuclei.	
8.	A major economic and physical theory, primarily by Einstein, stating that all motion is defined relative to a frame of reference.	
9.	A chemical substance with a pH level of more than 7.	
10.	The location and arrangement of atoms within a molecule.	

III. Phrasal Verbs

Complete the sentences by filling in the blanks with the correct form of phrasal verbs from the word bank

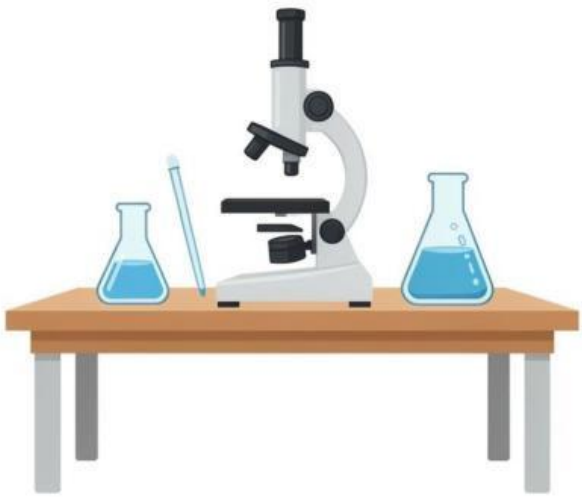
1. We need to _____ a specialist to handle the advanced coding for this software.
2. I can't _____ how this complex formula works; it's too confusing.
3. Don't let him _____ you _____ doing the project alone; make sure he contributes.
4. He always manages to _____ me _____ with his constant tapping during the exam.
5. The results of the latest clinical trials are expected to _____ next week.

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IV. Word Formation

Complete the sentences by changing the word in brackets into the correct form.

1. Some nutrients are difficult for the human body to _____ (DIGEST) efficiently.
2. The computer system was not very _____ (RESPOND) to the new software update.
3. Regular exercise is highly _____ (BENEFIT) for maintaining a healthy lifestyle.
4. The government has introduced strict rules to _____ (REGULATION) the chemical industry.
5. Maintaining a high level of _____ (CLEAN) is essential in a medical laboratory.



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