

1) Look at the following text from an article on the leak of Facebook profiles. Complete the text with necessary punctuation marks.

Buried in Facebook's announcement that Cambridge Analytica had improperly gathered data from up to 87 million users rather than the previously reported 50 million was the stunning admission that malicious actors exploited the social networking site's search features to collect information from most of its two billion users.

Until today, people could enter another person's phone number or email address into Facebook search to help find them. Facebook's chief technology officer Mike Schroepfer wrote in a company blog post on Wednesday. Given the scale and sophistication of the activity we've seen, we believe most people on Facebook could have had their public profile scraped in this way. So we have now disabled this feature.

In other words, Facebook leadership believes that over the course of several years, these malicious actors utilized the now disabled search features to collect whatever personal information that most of its users had sometimes unknowingly set to public.

2) Fill in the gaps with the missing verbs. You will not need two verbs.

collect	combine	design	determine	ensure	include	perform
refer (2x)	advance	rely	require	inquire		

Bioinformatics: Technology Collides with Biology

Informatics, also _____ to as information science, refers to the gathering, processing, storing, retrieving, and organizing of information. Informatics typically _____ information technology or computer science with another area of study. As we use computers to _____ massive amounts of data, we also must _____ on them to process the data into meaningful information. Computers continually become more powerful, requiring only seconds to process data that otherwise might require several human years to process. In fact, the informatics field is exploding in popularity.

As mentioned previously, several specializations of informatics exist, each combining computer science with another field of study. These specializations _____ the combination of information technology with other fields such as molecular biology (bioinformatics), biomedical sciences (biomedical informatics), chemistry (cheminformatics), ecology (ecoinformatics), geosciences (geoinformatics), health (health informatics), neuroscience (neuroinformatics), sociology (social informatics), and veterinary medicine (veterinary informatics).

Many colleges and universities now are offering an increasing number of courses in bioinformatics. Bioinformatics _____ to computer applications in biological sciences where biologists use computers to analyse, store, or retrieve biological information. Bioinformatics research _____ extensive collaboration between biologists and computer scientists. Essentially, biologists help the computer scientists understand the research study they would like to _____, and the computer scientists _____ programs to collect the data, process the data, and _____ the results. Throughout this entire process, the biologists work closely with the computer scientists to _____ the accuracy of the data, its processing, and the output. Computer technology has assisted in analysing the DNA sequence, advancing the study of molecular genetics.

3) Reported/indirect speech. Discuss the differences in meaning between these sentences:

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| <p>1</p> <p>He told us that he had visited Australia in the summer.</p> <p>He told us that he visited Australia in the summer.</p> <p>He told us that he would be visiting Australia in the summer.</p> | <p>David said, "He wanted to visit his relations in Canada."</p> |
| <p>2</p> <p>She asked me if I had been to New Zealand.</p> <p>She asked me when I had been to New Zealand.</p> <p>She asked me whether I had been to New Zealand.</p> | <p>4</p> <p>Ruth phoned to say that she would be flying to India the next day.</p> <p>Ruth phoned to say that she would be flying to India tomorrow.</p> <p>Ruth phoned to say that she was flying to India the next day.</p> |
| <p>3</p> <p>David says he wants to visit his relations in Canada.</p> <p>David said he wanted to visit his relations in Canada.</p> <p>David said he wants to visit his relations in Canada.</p> | <p>5</p> <p>I didn't find out when the show starts.</p> <p>I didn't find out when the show started.</p> <p>I didn't find out when the show will start.</p> <p>I didn't find out when the show would start.</p> |

4) Instead of using "He said that. . ." or "She asked if . . ." in reported speech, an appropriate verb can reflect the TONE that was used in direct speech and the FUNCTION of the sentence. Decide how many of the verbs below can be used to fill each of the gaps in these sentences:

admit allow announce ask assure beg call out claim convince deny encourage explain
 inform insist instruct invite mention mumble notify order permit persuade repeat
 reply scream shout suggest tell urge warn whisper

- 1) She _____ that she came from Australia.
- 2) They _____ us/me that they were feeling tired.
- 3) He _____ me to lend him some money.