

**1) Look at the following text from an article on Facebook use around the world. Complete the text with necessary punctuation marks.**

At Davos this year Sandberg told the well heeled crowd that in the developing world people will walk into phone stores and say I want Facebook. People actually confuse Facebook and the internet in some places. Or as Iris Orriss Facebooks head of localization and internationalization has put it Awareness of the Internet in developing countries is very limited. In fact for many users Facebook *is* the internet as its often the only accessible application.

**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 (chemoinformatics), 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.