# SMILE Pre-/Post-test

**Attitudinal Assessment: Relevancy Items**

**1.** How relevant to your future USP courses is using journal databases and accessing primary literature?

Answer [            ▼]

**2.** How relevant to your future USP courses is analyzing published data?

Answer [            ▼]

**3.** How relevant to your future USP courses is understanding the scientific method?

Answer [            ▼]

**Knowledge Assessment: Prior Reading Experience**

**4.** Primary literature is most accurately described as:

- ○ **A.** A synthesis of previously published information
- ◉ **B.** A first published research article written by an investigator
- ○ **C.** A review article used to discuss scientific knowledge in a specific area
- ○ **D.** A second published research article

**5.** The best example of secondary literature would be:

- ◉ **A.** A Discover Magazine article concerning advancements in stem cell research
- ○ **B.** An Animal Behavior article on nestling barn owls
- ○ **C.** An article in the journal Science written by the investigator that conducted the research
- ○ **D.** An article in the educational journal College Science Teaching about assessment of information literacy skills in first year college students
- ○ **E.** An article in the journal Nature

**6.** In the last year, how many scientific research articles have you read that include the following two criteria: (a) contain a clearly stated Abstract, Introduction, Methods, Results and Discussion sections; and (b) were written by the scientists conducting the research.

Answer [            ▼]

**7.** In the last year, how many articles have you read where someone else summarized the research of a scientist or group of scientists? (Example: Discover Magazine or the news column of a newspaper)

Answer [            ▼]

### Knowledge Assessment: Scientific Inquiry

**8.** Which of the following statements about the scientific method is most accurate?

- ☐ **A.** The scientific method is different depending on the field of study
- ☐ **B.** The scientific method is used to prove whether a phenomenon is factual or not
- ☑ **C.** The scientific method is a process for testing hypotheses by observations and/or experiments
- ☐ **D.** The scientific method is an infallible set of rules used in scientific investigations

### Knowledge Assessment: Data Comprehension

**9.** The graphical representation of data in a research article is best labeled as a:

- ☑ **A.** figure
- ☐ **B.** citation
- ☐ **C.** table
- ☐ **D.** sidebar

**10.** A table in a scientific article is:

- ☐ **A.** The author's opinion about experimental results
- ☐ **B.** A textual representation of data
- ☐ **C.** A description of the content in the article
- ☑ **D.** An orderly arrangement of data in columns and rows

**Knowledge Assessment: Use of Technology in Education**

For questions 14 through 18, please indicate which of the following technologies would be most useful in completing the following tasks. Check only one.

**11.** Find and complete an assignment online for a course at USP.

    ☐ **A.** Microsoft Word

    ☑ **B.** Angel

    ☐ **C.** Proquest

    ☐ **D.** Science Direct

    ☐ **E.** Google Scholar

**12.** Search for magazines and scholarly articles with restricted access

    ☐ **A.** Microsoft Word

    ☐ **B.** Angel

    ☑ **C.** Proquest

    ☐ **D.** Science Direct

    ☐ **E.** Google Scholar

**13.** Find a journal article from a specific journal

    ☐ **A.** Microsoft Word

    ☐ **B.** Angel

    ☐ **C.** Proquest

    ☑ **D.** Science Direct

    ☐ **E.** Google Scholar

**14.** Search for a scientific article from most computers without needing special access

- ☐ **A.** Microsoft Word
- ☐ **B.** Angel
- ☐ **C.** Proquest
- ☐ **D.** Science Direct
- ◉ **E.** Google Scholar

**15.** Write a term paper for a course at USP

- ◉ **A.** Microsoft Word
- ☐ **B.** Angel
- ☐ **C.** Proquest
- ☐ **D.** Science Direct
- ☐ **E.** Google Scholar

**Knowledge Assessment: Plagiarism Issues**

**16.** Plagiarism is:

- ☐ **A.** Using information from a published source under any circumstances
- ☐ **B.** Not a problem when it is done unintentionally
- ☐ **C.** Paraphrasing other people's ideas even when you cite the source of those ideas
- ◉ **D.** representing someone else's work as your own

**17.** To avoid being charged with plagiarism, a writer must show the source of all information cited in a paper with the exception of:

- ☐ **A.** lines of argument
- ☐ **B.** results
- ☐ **C.** theories
- ◉ **D.** common knowledge