

QUIZ 1 STUDY GUIDE

Data is described objectively without interpretation.

Information is use of the data that has been interpreted, organized, or structured.

Knowledge is synthesized information so that relationships can be made about the information and formalized.

Wisdom is the appropriate use of knowledge to manage and solve human problems.

- **What is Nursing Informatics?**

- Concentrates on finding ways to:
 1. improve information management and communication to improve efficiency,
 2. Reduce costs
 3. Enhance client safety and quality of care

- **Foundation of Knowledge Model**

- Knowledge is used to meet needs of health care delivery systems, org, PTs, nurses
- At its base the model has bits, bytes (comp term for chunks of information), data, and info in random representation
- Each person experiences the environment and learns by acquiring, processing, generating, and disseminating knowledge.
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- **Data integrity- threats and human error**

- **Integrity** - refers to whole, complete, correct, consistent data
- Data integrity can be **compromised thru human errors, viruses, worms, or other computer bugs, hardware failures, crashes transmission errors, or hackers.**
- Info tech help decrease errors by putting into place safeguards; backing up files, error detection for transmissions, user interfaces that help ppl enter data correctly

- **Cognitive Informatics**

- Examines how humans work (**human information processing**) with computers so better information technology systems can be built.

- **Artificial Intelligence**- what is it? What can it do?

- Artificial intelligence (AI) is a mechanical thought process based on computer science. It uses a computer system and clinical information systems (which include software, hardware, and other equipment) to be able to perform tasks that ordinarily require human intelligence.