

SI Pharmacy Technician - Full Discipline Demo

Using Drug References

Final Report - Answer Guide

Institution	Science Interactive University
Session	SI Pharmacy Technician - Full Discipline Demo
Course	SI Pharmacy Technician - Full Discipline Demo
Instructor	Sales SI Demo

Test Your Knowledge

Match each common drug reference with the best description of the information it provides.

⌘ www.fda.gov ⌘ Drug Facts and Comparisons	Lists all FDA approved drug products with therapeutic equivalences	1
⌘ www.cms.gov ⌘ The Orange Book	Current information for reimbursements for patients on Medicare or Medicaid	2
⌘ Micromedex ⌘ www.dea.gov	Current information on controlled substances and drug scheduling	3
	Compilation of resources providing information on drug pricing, evidence based clinical resource and drug information, toxicology, medication and disease management, etc.	4
	Classification, use, dosage information, and manufacturers for each drug listed	5
	Current information on food, drugs, medical devices, vaccines, and cosmetics	6

Correct answers:

- 1 The Orange Book 2 www.cms.gov 3 www.dea.gov 4 Micromedex
 5 Drug Facts and Comparisons 6 www.fda.gov

Classify each statement below by whether it is an indicator of a reliable or an unreliable drug information reference.

⚡ A medical professional's personal blog ⚡ Website selling the drugs/treatments it is promoting ⚡ Website ends in .gov ⚡ Website associated with an established institution ⚡ Website promoting treatments not approved by the FDA ⚡ Providing citations to credible sources	
Reliable	Unreliable
1	2

Correct answers:

- 1 Website associated with an established institution
 Providing citations to credible sources Website ends in .gov
- 2 Website promoting treatments not approved by the FDA
 Website selling the drugs/treatments it is promoting
 A medical professional's personal blog

Exploration

Pharmacies no longer use any printed drug references due the prevalence of available online resources.

- ☐ True
- ☒ False



Which of the following is NOT a sign that an online drug reference is credible source of information?

- ☐ An affiliation with a reputable medical organization
- ☐ Providing citations to credible sources when presenting information
- ☒ Stating the website has information doctors don't want you to know
- ☐ Providing information generally accepted by the medical community

✓

A personal blog or website should not be relied upon as a reference for drug information.

- ☒ True
- ☐ False

✓

Exercise 1

How do you know that the resource you used to research the drug information is reliable?

**What are some potential benefits of using an online resource over a printed text resource?
What are some potential drawbacks?**

Data Table 1: Drug Information
(SAMPLE ANSWER BELOW)

Drug	Generic Name	Other Brand Names	Drug Forms	Drug Class	DEA Schedule
Glumetza	Metformin	Fortamet, Glucophage, Glucophage XR, MetFORMIN, Riomet, Riomet ER	Tablet, Oral solution	Non- sulfonylureas/Biguanides	None

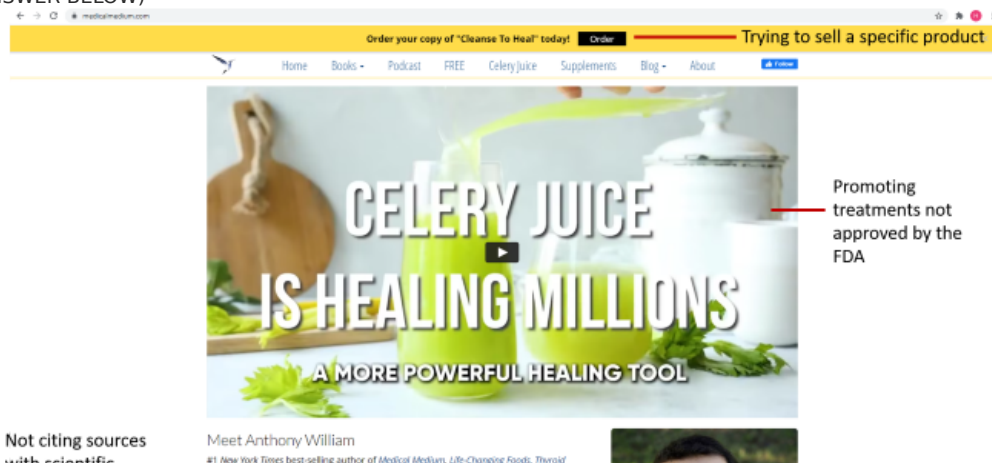
Dizac	Diazepam	Valium	Oral concentrate, oral solution, oral tablet	Benzodiazepines	IV (4)
Zantac	Ranitidine	None	Tablet	H2 antagonists	None
Emcin Clear	Erythromycin topical	Erygel, Theramy	Topical gel	Topical acne agents, topical antibiotics	None
Dolophine	Methadone tablets	Methadose	Tablet	Narcotic analgesics	II (2)

Exercise 2

What are the potential consequences of someone using the source you located in this exercise as a medical resource?

What are some other potential red flags that weren't present on the website you researched but would indicate an unreliable medical information resource?

Photo 1: Unreliable Resource Red Flags
(SAMPLE ANSWER BELOW)



With scientific
evidence to back
up claims

Healing, Liver Rescue and Cleanse To Heal was born with the unique ability to converse with Spirit of Compassion who provides him with extraordinarily accurate health information that's often far ahead of its time.

Since age four, when he shocked his family by announcing that his symptom-free grandmother had lung cancer (which medical testing soon confirmed), Anthony has been using his gift to "read" people's conditions and tell them how to recover their health.

His unprecedented accuracy and success rate as the Medical Medium have earned him the trust and love of millions worldwide, among them movie stars, rock stars, billionaires,



Competency Review

_____ lists all FDA approved drug products with therapeutic equivalents.

- ☐ Drug Facts and Comparisons
- ☒ The Orange Book
- ☐ Micromedex
- ☐ Physician's Desk Reference



_____ is run by the US National Library of Medicine and has current information on health topics, drugs and supplements, and a medical dictionary and encyclopedia.

- ☐ www.cdc.gov
- ☐ www.nih.gov
- ☐ www.drugs.com
- ☒ www.medlineplus.gov ✓

An unreliable drug reference will have obvious red flags, therefore any website without obvious red flags can be trusted as providing reliable information.

- ☐ True
- ☒ False ✓

Websites promoting treatments that are unapproved by the FDA are unlikely to be reliable sources for accurate drug information.

- ☒ True ✓
- ☐ False

Although printed references are quickly being replaced by online resources, many pharmacies continue to maintain and update print texts.

- ☒ True ✓
- ☐ False

Which of the following is NOT an indicator of an unreliable drug reference?

- ☐ Providing only anecdotal evidence of claims
- ☐ Theories that fails to comply with basic scientific tenets
- ☒ Resource has not been updated in two months ✓
- ☐ Content is unorganized

Only drugs that have a classified DEA Schedule are present in most drug information references.

- ☐ True
- ☒ False ✓

Unreliable drug references never have more than one red flag.

- ☐ True
- ☒ False ✓

Extension Questions

Provide an example of a situation in a commercial pharmacy where you may need to utilize a reliable drug reference to find a therapeutic equivalent to a prescribed drug. (SAMPLE ANSWER BELOW)

Answers vary, but situations may include the pharmacy not carrying the prescribed drug, the patient needs a less expensive option, or the patient's insurance won't cover the name brand product.