INSTRUCTOR GUIDE

PhysioEx™ 8.0 for Human Physiology Laboratory Simulations in Physiology

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This Instructor Guide contains notes and answer keys for *PhysioEx™ 8.0 for Human Physiology: Laboratory Simulations in Physiology*. PhysioEx 8.0 consists of 11 modules containing 79 physiology lab simulations that may be used to supplement or replace wet labs. This easy-to-use software allows students to repeat labs as often as they like, perform experiments without harming live animals, and conduct experiments that may be difficult to perform in a wet lab environment due to time, cost, or safety concerns. Students also have the flexibility to change the parameters of an experiment and observe how outcomes are affected. In addition, PhysioEx includes an extensive histology tutorial that allows students to study histology images at various magnifications.

**Notes on the CD Version**

The PhysioEx 8.0 CD is browser-based, meaning you need to have a web browser (like Firefox® or Internet Explorer®) to use it—although you do not need to have a live Internet connection to run the CD. You also need the Adobe® Flash® 8 Player.

**Getting Started**

To use PhysioEx 8.0, your computer should meet the following minimum requirements:

**Windows**

- OS: Windows® XP, Vista™
- Resolution: 1024 × 768
- Latest version of Adobe Flash Player
- Latest version of Adobe Reader®
- Browsers: Internet Explorer 6.0 (XP only); Internet Explorer 7.0; Firefox 2.0
- Internet Connection: 56K modem minimum for website
- Printer

**Macintosh**

- OS: 10.3.x, 10.4.x
- Resolution: 1024 × 768
- Latest version of Adobe Flash Player
- Latest version of Adobe Reader
- Browsers: Safari 1.3 (10.3.x only); Safari 2.0 (10.4.x only); Firefox 2.0
- Internet Connection: 56K modem minimum for website
- Printer
Instructions for Getting Started: Mac Users (CD Version)

1. Put the PhysioEx CD in the CD-ROM drive. Double-click the PhysioEx CD icon on your desktop, and then double-click the **StartHere.html** file.

2. Although you do not need a live Internet connection to run PhysioEx, you do need to have a browser (such as Firefox or Safari) installed on your computer.

3. Click **License Agreement** to read the License Agreement, then close the License Agreement window.

5. In the PhysioEx window, click **Enter**.

Instructions for Getting Started: Windows Users (CD Version)

1. Put the PhysioEx CD in the CD-ROM drive. The program should launch automatically. If autorun is disabled on your machine, double-click the My Computer icon on your Windows desktop, double-click the PhysioEx CD icon, and then double-click the **StartHere.html** file.

2. Although you do not need a live Internet connection to run PhysioEx, you do need to have a browser (such as Firefox or Internet Explorer) installed on your computer.

3. Click the **License Agreement** to read the License Agreement.

5. In the PhysioEx window, click **Enter**.

Instructions for Getting Started: Web Users

You will find instructions for accessing www.physioex.com at the very front of the PhysioEx lab manual.

**Technical Support**

visit http://247.aw.com
Email technical support is available 24/7

**Tips for Using PhysioEx**

**Setting Up**

1. **If you are using PhysioEx in a computer lab:** Because PhysioEx 8.0 requires a browser (such as Firefox or Internet Explorer) and the Flash Player to run, it is recommended that you make sure these items are already installed on student computers before beginning the lab.

2. **If you are using the web version of PhysioEx:** Have your students go to http://www.physioex.com and follow the registration instructions found in the front of their lab manuals.

3. It is helpful to instruct students in the proper operation of the mouse and menu system as part of the lab introduction.
4. Having students work in pairs results in the most successful lab experience. If students must work in larger groups, have them each get keyboard and mouse experience with the program.

5. If lab time is limited, tell students before they begin each lab to print their data after completing each activity. They may print their data at any time by clicking Tools at the top of the screen and then selecting Print Data. This way they can stop working in the middle of a lab if necessary and then resume working later without having to start the lab all over again.
Frequently Asked Questions

CD Version

Q: Why do I need a browser and Flash Player to run a CD?
A: PhysioEx was developed in browser format so that users could have the option to access
PhysioEx online at www.physioex.com. The lab interfaces for the CD and the web are
exactly the same. Flash Player is a browser plugin used to display high-impact animations
for web delivery with minimal download time.

Q: Does this mean I need a live Internet connection to use the CD?
A: No—you do not need a live Internet connection to use the CD.

Q: How can I access the web version of PhysioEx?
A: At the front of the manual is a “tip-in” sheet containing access codes that you will need
to access the web site at www.physioex.com.

Q: Are there any differences between the CD and web versions of PhysioEx?
A: No. The lab interfaces are identical.

Web Version

Q: I am using the web version of PhysioEx. Is it possible to improve the download time
of the labs?
A: PhysioEx was developed using the best technology available for fast download times. If
you have DSL or cable access to the Internet, the labs should load very quickly. On a 56k
modem, it can take 20 seconds to 1 minute to load some labs. Once the lab is loaded, your
computer will store it in its cache, and you should not experience any further delays as you
work through it. (The one exception to this is the Histology Atlas and Review Supplement,
which is recommended for use only with DSL or cable access to the Internet.)

Q: What if I forget my user ID and password?
General Troubleshooting

Q: Help! Within the labs, one or more of the following things are happening:

- The screen is flashing very fast.
- Nothing happens when I click on the buttons.
- There are green numbers in all the display fields, as though someone has already entered data.

A: There are two possibilities here:

1) You do not have the Flash Player plugin properly installed.
2) You are using a computer that does not meet the minimum system requirements. See the liner notes for the minimum requirements. (Nothing happening when buttons are clicked is a known problem on Macintosh 8.1. The minimum Mac requirement to use PhysioEx is Macintosh OS 10.3.x)

Q: Why am I having trouble printing?

A: Make sure your printer is set to print in either grayscale or color. Most printers already have one of these as the default setting. If you have a black and white printer, make sure it is set to print in grayscale. Also make sure that your computer meets the minimum system requirements. If your computer has less than the minimum requirement of 128 MB RAM, printing may be very slow.

Q: My question isn’t answered here. How can I reach someone?

A: Contact Pearson Customer Technical Support at http://247.aw.com. Email support is available 24-hours each day, 7 days a week.