In this folder you will find a 4-day lesson on the nucleus. Students are introduced to evidence goodness ratings and will use these rating to evaluate 5 pieces of nucleus evidence. Students are also introduced to 2 competing models for the function of the nucleus. They will go through questions and have discussions throughout. Most evidence will be done in groups/pairs, but their will be class discussion along with some of it. At the end they will also do a model revision. They will also fill out their arrows and ratings on the diagram throughout as the packet instructs.

**Materials for the teacher**

Teacher guide. Filename: *PRACCIS Nucleus Teacher Packet*. The first item to look at is the teacher’s guide. This gives you a complete understanding of the lesson and how to implement it.

Teacher powerpoint slideshow. Filename: *PRACCIS Intro*. This is for the teacher to use throughout this unit. It includes slides with directions for what students should do, as well as background information.

**Materials for the students**

Student packet. Filename: *PRACCIS Nucleus Student Packet*. The student packet includes some information needed for the lesson as well as questions for students to answer individually and in pairs or groups.

Additional Handouts. There is 1 additional handouts associated with this lesson.

*PRACCIS Nucleus Evidence Summary Sheet*. This is a one-page summary of all the evidence for the students to have in front of them at selected points in the lesson (see teacher’s guide).

Student powerpoint slideshows. Filenames:

*PRACCIS Nucleus Evidence #1 Dolly*.

*PRACCIS Nucleus Evidence #2 glowing cats*.

*PRACCIS Nucleus Evidence #3*.

*PRACCIS Nucleus Evidence #4 Website*.

*PRACCIS Nucleus Evidence #5 diabetes*. These contain each piece of evidence (1-5) for the students to look at with their groups. Instructions are given in the teacher packet on when to go through these.

**Summary of where to find models and evidence**

**Two models and five pieces of evidence are used in this lesson.**

Model 1 first appears on page 2 of the student packet.

Model 2 first appears on page 2 of the student packet.

Evidence 1 first appears on slide 1 of its powerpoint.

Evidence 2 first appears on slide 1 of its powerpoint.

Evidence 3 first appears on slide 1 of its powerpoint.

Evidence 4 first appears on slide 1 of its powerpoint.

Evidence 5 first appears on slide 1 of its powerpoint.

All of the pieces of evidence are summarized on the evidence summary sheet handout for the students.

\*We recommend reading the teacher’s guide first and then familiarizing yourself with the rest of the materials.