

Dr. Denise Jackson

NIDA



Dr. Denise Jackson is a neuroscientist. She studies the effects of cocaine on unborn rats. Dr. Jackson is trying to find out how the drug affects the way the brain grows. Some day this information will help human babies.

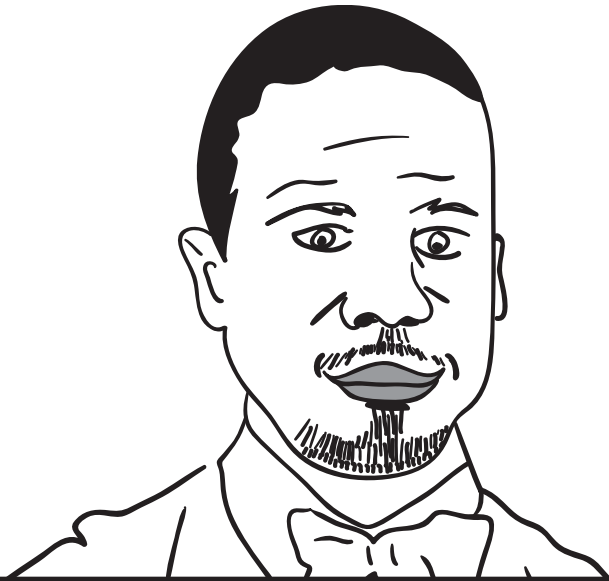
Dr. Eric Chudler

NIDA



Dr. Eric Chudler tries to help people with Parkinson's disease, which affects the nerves and the brain. He is trying to figure out why people with this disease have pain. He would like to be able to help these people.

Dr. Michael Byas-Smith **NIDA**



Dr. Michael Byas-Smith is an anesthesiologist. This is a doctor who gives medicine to people so they sleep and feel no pain during surgery. Dr. Byas-Smith also studies certain chemicals in the brain and tries to figure out how we can avoid developing bad habits or stop bad habits when they develop.

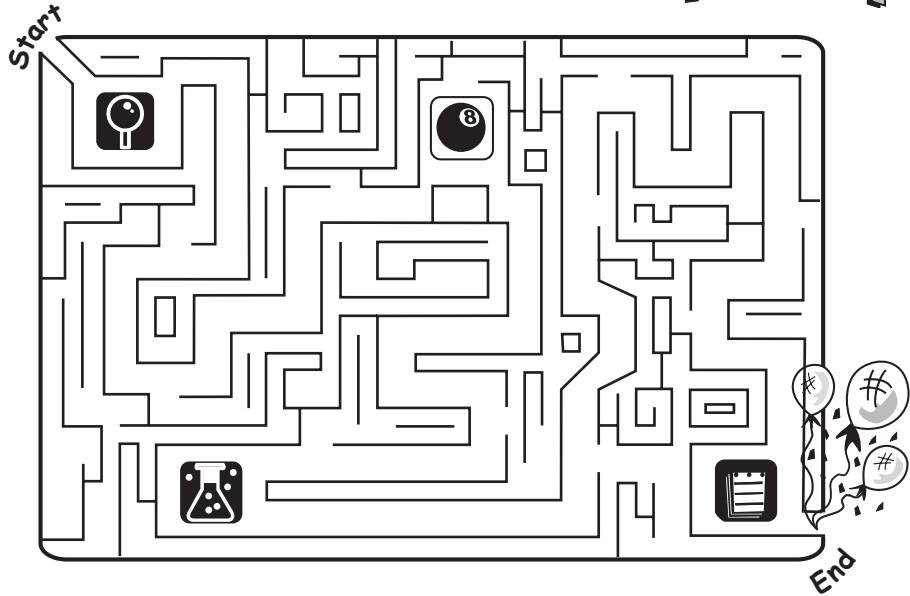
Dr. Alane Kimes **NIDA**



Dr. Alane Kimes is a scientist who studies the brain. She works with a PET scanner. A PET scanner is a machine that takes pictures of people's brains. After the pictures are taken, Dr. Kimes studies them to look for ways to help people stop using drugs.

Scientific Inquiry

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Observe: Check out the problem.



Predict: Time to make a good guess.



Experiment: Is your prediction right? Find out by doing an experiment.



Conclude: Put the pieces together to figure out what's really going on.

PET Scan

◊ N/DA ◊



A PET scan is a picture of the brain. These pictures have different colors that show the activity in the brain. Bright colors, like red and yellow, show a lot of activity. Dark colors, like black and blue, show little or no activity.