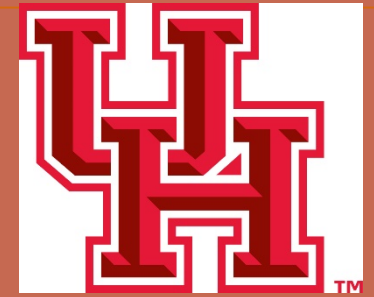


# ST. ELMO BRADY S.T.E.M. ACADEMY



Founders of St. Elmo  
Brady S.T.E.M. Academy



Mr. Greer



Dr. Henderson



# ST. ELMO BRADY S.T.E.M. ACADEMY

## Goals

- Expose students to S.T.E.M.
- Increase student awareness of the practicality of S.T.E.M.
- Promote cooperative learning and critical thinking skills
- Foster father-son and/or mentor-mentee relationships through S.T.E.M.

# ST. ELMO BRADY S.T.E.M. ACADEMY

- Meet 3 days per week (T, Th, S)
- Problem of the day
- Hands-on S.T.E.M. experiments
- Weekly engineering topics
- Field trips to museums, conference, & laboratories
- Scientist of the week
- Community Science Fair



# QUESTIONNAIRE

UNIVERSITY of  
**HOUSTON**  
COLLEGE OF EDUCATION

**Directions:**

There are lists of statements on the following pages. Please mark your answer sheet by marking how you feel about each statement. As you read the sentence, you will know whether you agree or disagree. Fill in the circle that describes how much you agree or disagree.

Even though some statements are very similar, please answer each statement. This is not timed; work fast, but carefully.

There are no "right" or "wrong" answers! The only correct responses are those that are true for you. Whenever possible, let the things that have happened to you help you make a choice.

Please fill in on only one answer per question.

**Example question:**

	Strongly Disagree	Disagree	Neither Agree nor Disagree	Agree	Strongly Agree
I like engineering.	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

0%  100%

>>

# SCIENTIST OF THE WEEK: ST. ELMO BRADY (1884-1966)



- Born December 22, 1884 in Louisville, KY
- Bachelor's Degree from Fisk University (1908)
- Taught at Tuskegee University in Alabama for 4 years then went back to school
- Earned Master of Science in Chemistry in 1914
- First African American to earn a Ph.D. in Chemistry, 1916 (University of Illinois)



# QUESTIONNAIRE

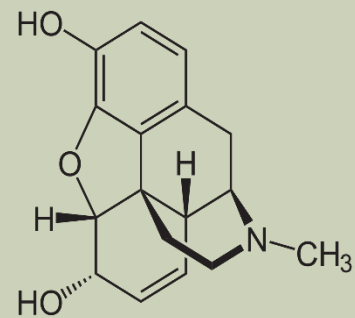
## Alkaloids



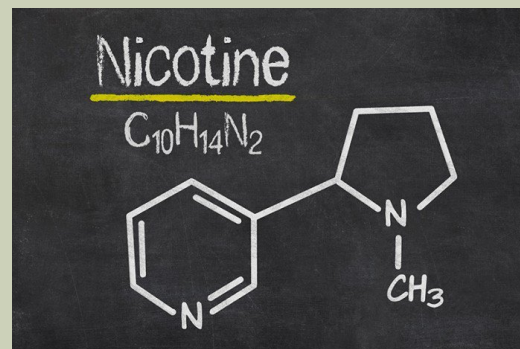
Plants

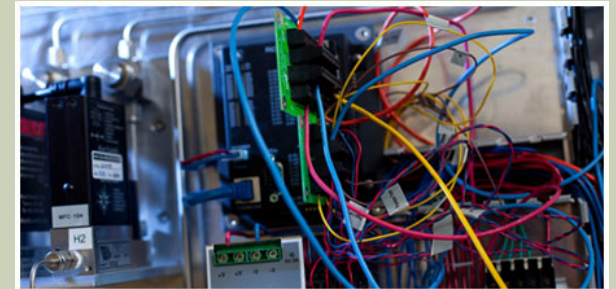
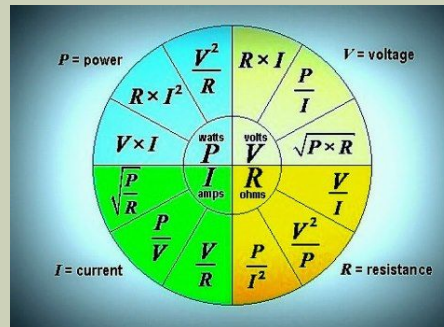
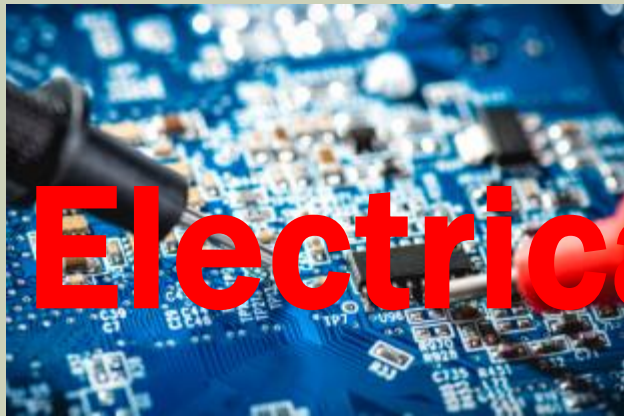
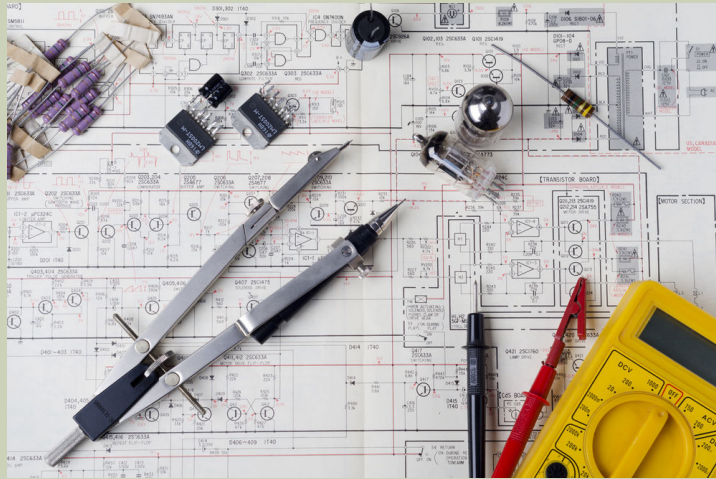


Nitrogen



Morphine

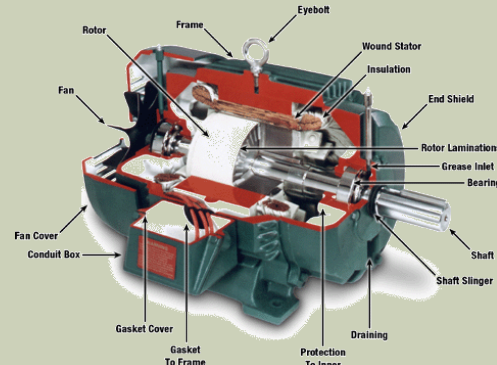




# Electrical Engineering

# Electrical engineering

## Problem solving Designing Testing Manufacturing



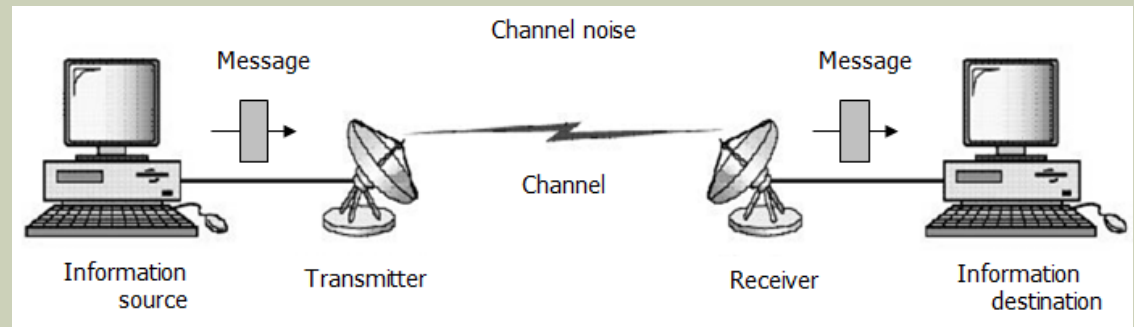
electric motors



navigation systems



radar



communications systems

