

The Universe
Pulsars and Quasars 2009

Segment 1

- 1) What does pulsar stand for?
- 2) What is a pulsar?
- 3) What does the spin of a pulsar create?
- 4) Every pulsar has a unique _____
- 5) What makes a pulsar slow down?

Segment 2

- 6) What is a super nova remnant?
- 7) What is an example of a super nova remnant that exploded in 1054 AD?
- 8) Why does the crab nebula glow?
- 9) What is an AU?
- 10) What are magnetars?

Segment 3

- 11) What is special about pulsar radio waves?
- 12) What is Micky Hart doing with pulsar sounds?
- 13) What was discovered in the 47 Tucan cluster?
- 14) Why is it unusual to have planets around pulsars?

Segment 4

- 15) What are quasars?
- 16) What does quasar stand for?
- 17) What do you need to make a quasar?
- 18) Why could we not see a quasar in our own galaxy?

Segment 5

- 19) How many quasars have been discovered so far?
- 20) What is a jet?
- 21) How fast are the particles moving in a quasar?
- 22) What is a dragn?
- 23) How are blasars, quasars, and pulsars similar?
- 24) How old are the oldest quasars?