**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Notes: Ways we search for E.T.**

**SETI** –*Search for Extraterrestrial Intelligence.*

 Search has focused on Aliens **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**to get in touch with us

 We look for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ coming to us from a \_\_\_\_\_\_\_\_\_\_\_\_\_.

 Using \_\_\_\_\_\_\_\_\_\_\_\_\_\_ or \_\_\_\_\_\_\_\_\_\_\_\_\_\_ technology known to us (compared against

 background \_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_)

 Growing over the years, becoming more \_\_\_\_\_\_\_\_\_\_\_\_\_\_ technology (telescopes)

**New search**: look for aliens ***\_\_\_\_\_\_\_\_\_\_\_\_*** trying to get ahold of us.

 Base on 2 Ideas:

 That aliens will \_\_\_\_\_\_\_\_\_\_\_\_ vast amounts of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 That they obey the \_\_\_\_\_\_\_\_\_ of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Once they have \_\_\_\_\_\_\_\_\_ energy from their \_\_\_\_\_\_\_\_\_\_\_ they will go out into \_\_\_\_\_\_\_\_\_\_\_ and

 start using \_\_\_\_\_\_\_\_\_\_\_ planets/moons to build \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ civilization (we look for

 this)

 **Dyson sphere**- \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ build around a \_\_\_\_\_\_\_\_\_ to capture partial, most or all of

 the energy from the star.

 I\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ light wouldn’t match v\_\_\_\_\_\_\_\_\_\_\_\_ light from star

 Structure that \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ as it rotates around star.

 **Large solar array**: \_\_\_\_\_\_\_\_\_\_\_ sunlight-makes a unique \_\_\_\_\_\_\_\_ in sunlight

**Listening to their conversation –**

 ***Modulated laser beams*** – sharp \_\_\_\_\_\_\_\_\_\_ in frequency, not \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ occurring,

 and could outshine a star natural frequency by \_\_\_\_\_\_\_\_\_x

**Look at galaxies full of Dyson spheres** – galaxies that are full of “\_\_\_\_\_\_\_\_\_” light

*Nothing has turned up in the search so far: (Possibilities)*

1. we are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. life on other planets \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ the technology
3. don’t use \_\_\_\_\_\_\_\_ of their sun’s \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. can’t \_\_\_\_\_\_\_\_\_\_\_\_\_ because they use \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ we are not \_\_\_\_\_\_\_\_\_\_\_\_\_ of yet

**Movie Notes: The Search for ET (The Universe)**

*Part 4: SETI and Searching for life*

1. What is happening to our TV/Radio waves when they leave Earth?
2. Why is contact through a signal more possibly/easier than traveling with a rocket ship?
3. How sensitive are our radio telescopes?
4. What is SETI looking for a signal to have (natural vs. intelligence)?
5. What stars are SETI looking at and why?
6. Why would life that comes to visit us be a machine rather than biological? List the reason why.
7. What would it mean to humans if there was or wasn’t life in the Universe?
	1. Is life?
	2. No Life?