

# COMPARING SAMPLING METHODS

**B** Biased   **U** Unbiased

| ASTRONOMERS' RESULTS FOR IRREGULARS |       |
|-------------------------------------|-------|
| HDF-N                               | 70.7% |
| HDF-S                               | 67.2% |

| Galaxies chosen by: | <b>B</b> | <b>U</b> | Percentage of irregulars |
|---------------------|----------|----------|--------------------------|
| Redness             | ✓        |          | 79.8%                    |
| Location in picture | ✓        |          | 50.6%                    |
| Size                | ✓        |          | 15.2%                    |
| Eyes closed         | ✓        |          | 80.1%                    |

| Galaxies chosen by: | <b>B</b> | <b>U</b> | Percentage of irregulars |
|---------------------|----------|----------|--------------------------|
| Blueness            | ✓        |          | 100.0%                   |
| Shape               | ✓        |          | 61.4%                    |
| Brightness          | ✓        |          | 10.3%                    |
| <b>COMPUTER</b>     |          | ✓        | <b>66.8%</b>             |

Note that the **computer-generated sample** comes closest to the astronomers' actual result. A computer is the best tool for avoiding inevitable human bias.