

**What wavelengths of light
can Hubble see?**



1
00:00:14,070 --> 00:00:11,430
the hubble space telescope

2
00:00:15,910 --> 00:00:14,080
can see light in the ultraviolet

3
00:00:17,990 --> 00:00:15,920
wavelengths and visible wavelengths of

4
00:00:23,509 --> 00:00:18,000
light and somewhat into the infrared

5
00:00:29,269 --> 00:00:26,269
the hubble space telescope is really an

6
00:00:31,109 --> 00:00:29,279
observatory because it has several

7
00:00:32,470 --> 00:00:31,119
science instruments several modes of

8
00:00:34,870 --> 00:00:32,480
operation

9
00:00:36,630 --> 00:00:34,880
we have multiple cameras multiple

10
00:00:38,150 --> 00:00:36,640
spectrographs they each have different

11
00:00:40,229 --> 00:00:38,160
capabilities in terms of their

12
00:00:43,430 --> 00:00:40,239
sensitivities or the kinds of

13
00:00:45,110 --> 00:00:43,440

frequencies they can receive

14

00:00:47,510 --> 00:00:45,120

we can also use hubble in different

15

00:00:49,510 --> 00:00:47,520

kinds of intriguing modes depending on

16

00:00:51,830 --> 00:00:49,520

what we're trying to observe we can even

17

00:00:54,069 --> 00:00:51,840

track fast moving things like comets

18

00:00:56,150 --> 00:00:54,079

moving through our solar system so it is

19

00:00:58,869 --> 00:00:56,160

that versatility of the scientific

20

00:01:01,029 --> 00:00:58,879

instruments and the way we use them that

21

00:01:03,510 --> 00:01:01,039

enables hubble to be a wonderful

22

00:01:05,350 --> 00:01:03,520

observatory for all kinds of astronomy

23

00:01:10,910 --> 00:01:05,360

from the nearby solar system to the