



## obtaining an ecg

- APPS → ChemBio.

```
VERNIER SOFTWARE
BIOLOGY AND
CHEMISTRY
WITH THE CBL

8/11/00 [ENTER]
```

```
***MAIN MENU***
1:SET UP PROBES
2:COLLECT DATA
3:VIEW GRAPH
4:VIEW DATA
5:FIT CURVE
6:RETRIEVE DATA
7:QUIT
```

```
ENTER NUMBER OF
PROBES: 1
```

```
SELECT PROBE
1:TEMPERATURE
2:PH
3:PRESSURE
4:COLORIMETER
5:VOLTAGE
6:CONDUCTIVITY
7:MORE PROBES
```

```
SELECT PROBE
1:D.OXYGEN
2:BAROMETER
3:LIGHT
4:REL HUMID
5:BIO PRESSURE
6:HEART RATE
7:MORE PROBES
```

```
SELECT PROBE
1:VERNR STD TEMP
2:LONG TEMP
3:THERMOCOUPLE
4:RESPIR. BELT
5:EKG
6:CO2 SENSOR
7:MORE PROBES
```

```
CONNECT EKG TO
CHANNEL 1

[ENTER]
```

```
CHOOSE EKG
1:COLLECT DATA
2:VIEW GRAPH
3:RETURN
```

```
SENSOR
OUTPUT
(V)      TRACE
          OBTAINED

          T(S)
```

```
TIME IN L1
DATA IN L2

[ENTER]
```

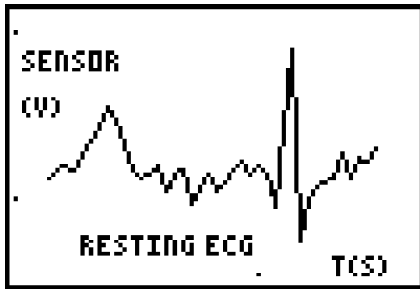
```
RETURN
1: YES
2: NO
```

```
MAIN MENU
1: COLLECT DATA
2: VIEW GRAPH
3: RETURN
```

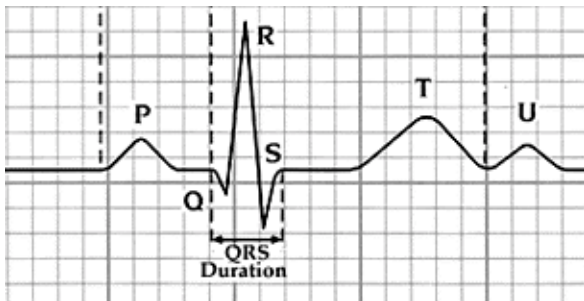
```
***MAIN MENU***
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```



*example of  
unprocessed  
calculator graph  
obtained*



*This calculator graph has been produced using the LIST → OPS →8:Select (L3,L4) operation, and by adding labels.*



*This shows the components of a normal ECG for comparison.*

- To obtain the graph below, the calculator lists containing the appropriate data were uploaded to a spreadsheet (TI InterActive), and the graph produced within the sheet. Other spreadsheet applications such as Excel and Lotus 1-2-3 can also be used.

