

Date: _____

Name(s): _____

GUIDED EXPERIMENT DATA SHEET:

Angle of Development

Independent Variable (i.e. chemical, environment): _____

EXPERIMENT HYPOTHESIS:

Zebrafish embryos living in _____ will have
(independent variable)

smaller

the same

larger

(circle one)

angle of development when compared to control embryos.

I/we hypothesize this because:

Day 1: Angle (degrees)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

Day 2: Angle (degrees)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

Day 3: Angle (degrees)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ degrees

GUIDED EXPERIMENT CONCLUSIONS:

My/our hypothesis was (circle one) supported / unsupported because...

Date: _____

Name(s): _____

GUIDED EXPERIMENT DATA SHEET:

Eye Size

Independent Variable (i.e. chemical, environment): _____

EXPERIMENT HYPOTHESIS:

Zebrafish embryos living in _____ will have
(independent variable)

smaller

the same

larger

(circle one)

eye size when compared to control embryos.

I/we hypothesize this because:

Day 1: Eye Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Day 2: Eye Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Day 3: Eye Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

GUIDED EXPERIMENT CONCLUSIONS:

My/our hypothesis was (circle one) supported / unsupported because...

Date: _____

Name(s): _____

GUIDED EXPERIMENT DATA SHEET:

Heart Rate

Independent Variable (i.e. chemical, environment): _____

EXPERIMENT HYPOTHESIS:

Zebrafish embryos living in _____ will have
(independent variable)

slower

the same

faster

(circle one)

heart rate when compared to control embryos.

I/we hypothesize this because:

Day 1: Heart Rate (beats/15s)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Day 2: Heart Rate (beats/15s)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Day 3: Heart Rate (beats/15s)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ beats/15s

Day 1: Heart Rate (bpm)

← Multiply previous numbers x4

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

Day 2: Heart Rate (bpm)

← Multiply previous numbers x4

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

Day 3: Heart Rate (bpm)

← Multiply previous numbers x4

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ bpm

GUIDED EXPERIMENT CONCLUSIONS:

My/our hypothesis was (circle one) supported / unsupported because...

Date: _____

Name(s): _____

GUIDED EXPERIMENT DATA SHEET:

Yolk Size

Independent Variable (i.e. chemical, environment): _____

EXPERIMENT HYPOTHESIS:

Zebrafish embryos living in _____ will have
(independent variable)

smaller

the same

larger

(circle one)

yolk size when compared to control embryos.

I/we hypothesize this because:

Day 1: Yolk Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Day 2: Yolk Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Day 3: Yolk Size (mm)

Control

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

Experimental: _____

1. _____ 4. _____

2. _____ 5. _____

3. _____ 6. _____

Mean/Median: _____ mm

GUIDED EXPERIMENT CONCLUSIONS:

My/our hypothesis was (circle one) supported / unsupported because...