# Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

Имя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Школа \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Класс \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов на задания муниципального этапа
34-ой Всероссийской олимпиады школьников по биологии.
Московская область – 2017-18 уч. год. 7 класс**

**Часть 1. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | г | б | в | г | б | а | в | г | а | в |
| **11-20** | г | б | а | в | б | б | б | г | г | а |

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-5** | в | б | в | г | д |

**Часть 3. [5 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** |
| "ДА" |  | Х | Х | Х | Х |
| "НЕТ" | Х |  |  |  |  |

**Часть 4.** **[3 балла]**

**1. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Изображение** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Тип побега** | Д | Е | Б | Г | А | В |

# Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

Имя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Школа \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Класс \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов на задания муниципального этапа
34-ой Всероссийской олимпиады школьников по биологии.
Московская область – 2017-18 уч. год. 8 класс**

**Часть 1. [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | г | б | б | а | б | в | г | а | в | а |
| **11-20** | а | в | б | а | б | в | б | б | б | г |
| **21-30** | г | в | а | г | в | г | в | в | б | а |

**Часть 2. [10 баллов]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** |
| **1-10** | в | в | в | г | в |

**Часть 3. [10 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| "ДА" |  | Х | Х | Х |  | Х | Х |  |  |  |
| "НЕТ" | Х |  |  |  | Х |  |  | Х | Х | Х |

**Часть 4.** **[5,5 баллов]**

**1. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Изображение** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Тип побега** | Д | Е | Б | Г | А | В |

**2. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Обозначения на рисунке** | **1** | **2** | **3** | **4** | **5** |
| **Органы** | А | Г | В | Б | Д |

# Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

Имя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Школа \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Класс \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов на задания муниципального этапа
34-ой Всероссийской олимпиады школьников по биологии.
Московская область – 2017-18 уч. год. 9 класс**

**Часть 1. [40 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | г | б | б | б | в | а | в | б | г | б |
| **11-20** | а | в | а | в | б | в | б | б | б | г |
| **21-30** | г | в | а | г | в | г | в | в | б | в |
| **31-40** | а | г | г | в | б | б | б | а | а | в |

**Часть 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | в | г | д | в | г | а | б | в | д |

**Часть 3. [15 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| "ДА" | Х |  | Х |  | Х | Х |  |  | Х | Х |  | Х |  |  |  |
| "НЕТ" |  | Х |  | Х |  |  | Х | Х |  |  | Х |  | Х | Х | Х |

**Часть 4.** **[7,5 баллов]**

**1. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Обозначения на рисунке** | **1** | **2** | **3** | **4** | **5** |
| **Органы** | А | Г | В | Б | Д |

**2. [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Изображения** | **1** | **2** | **3** | **4** |
| **Вкусовые ощущения** | В | Г | Б | А |

**3. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Последовательность** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Структура** | Д | Б | В | А | Г | Е |

# Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

Имя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Школа \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Класс \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов на задания муниципального этапа
34-ой Всероссийской олимпиады школьников по биологии.
Московская область – 2017-18 уч. год. 10 класс**

**Часть 1. [50 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | б | в | в | б | г | б | в | а | а |
| **11-20** | в | а | в | б | г | г | б | а | в | б |
| **21-30** | б | б | г | г | в | а | г | в | г | б |
| **31-40** | в | б | в | а | г | г | в | б | б | б |
| **41-50** | а | а | в | а | в | г | а | а | а | а |

**Часть 2. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | г | д | г | а | б | д | в | д | б |

**Часть 3. [20 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| "ДА" |  | Х |  | Х | Х |  |  |  | Х | Х |  | Х |  |  |  |
| "НЕТ" | Х |  | Х |  |  | Х | Х | Х |  |  | Х |  | Х | Х | Х |
| **№** | **16** | **17** | **18** | **19** | **20** |  |  |  |  |  |  |  |  |  |  |
| "ДА" |  |  | Х |  | Х |  |  |  |  |  |   |   |   |   |   |
| "нет" | Х | Х |  | Х |  |  |  |  |  |  |   |   |   |   |   |

**Часть 4.** **[10,5 баллов]**

**1. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Изображение** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Тип побега** | Д | Е | Б | Г | А | В |

**2. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Обозначения на рисунке** | **1** | **2** | **3** | **4** | **5** |
| **Органы** | А | Г | В | Б | Д |

**3. [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Изображения** | **1** | **2** | **3** | **4** |
| **Вкусовые ощущения** | В | Г | Б | А |

**4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Последовательность** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Структура** | Д | Б | В | А | Г | Е |

**5. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Краситель** | **1** | **2** | **3** | **4** | **5** |
| **Видимый эффект** | Г | А | Б | Д | В |

# Фамилия \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_

Имя \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Школа \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Класс \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Шифр \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Матрица ответов на задания муниципального этапа
34-ой Всероссийской олимпиады школьников по биологии.
Московская область – 2017-18 уч. год. 11 класс**

**Часть 1. [60 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | б | в | в | б | г | б | в | а | а |
| **11-20** | в | а | в | б | г | г | б | а | в | б |
| **21-30** | б | б | г | г | в | а | г | в | г | в |
| **31-40** | в | б | в | а | г | г | в | б | б | б |
| **41-50** | а | а | в | а | в | г | а | а | а | г |
| **51-60** | в | а | г | г | а | а | в | в | г | в |

**Часть 2. [30 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** |
| **1-10** | б | г | д | д | в | г | а | б | д | в |
| **11-20** | д | б | г | б | б |  |  |  |  |  |

**Часть 3. [25 баллов]**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **№** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** | **14** | **15** |
| "ДА" |  | Х |  | Х | Х |  |  |  | Х | Х |  | Х |  |  |  |
| "НЕТ" | Х |  | Х |  |  | Х | Х | Х |  |  | Х |  | Х | Х | Х |
| **№** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** | **25** |  |  |  |  |  |
| "ДА" |  |  | Х |  | Х | Х | Х |  |  | Х |   |   |   |   |   |
| "нет" | Х | Х |  | Х |  |  |  | Х | Х |  |   |   |   |   |   |

**Часть 4.** **[15 баллов]**

**1. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Изображение** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Тип побега** | Д | Е | Б | Г | А | В |

**2. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Обозначения на рисунке** | **1** | **2** | **3** | **4** | **5** |
| **Органы** | А | Г | В | Б | Д |

**3. [2 балла]**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Изображения** | **1** | **2** | **3** | **4** |
| **Вкусовые ощущения** | В | Г | Б | А |

**4. [3 балла]**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Последовательность** | **1** | **2** | **3** | **4** | **5** | **6** |
| **Структура** | Д | Б | В | А | Г | Е |

**5. [2,5 балла]**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Краситель** | **1** | **2** | **3** | **4** | **5** |
| **Видимый эффект** | Г | А | Б | Д | В |