Қазақстан Республикасының Білім және ғылым министрлігі

ЖШС «Абай Құнанбаев атындағы мектеп»

**Бекітемін»**

ЖШС «Абай Құнанбаев

атындағы мектебінің»

директоры

Абдуллаев М.С.

\_\_\_\_\_\_\_\_\_\_\_\_ «\_\_\_»\_\_\_\_\_\_\_\_2019ж.

**Биология үйірмесі**

**Үйірме жетекшісі: Кельдибекова У.М.**

Шымкент-2019ж.

«Биология» үйірме жұмысында 8 сынып биология пәні бағдарламасына сәйкес келетін бөлімдер мен тақырыптар қарастырылады.

Сағат жүктеме: жалпы – 102 сағат, апта -34, аптаның үш күніне жоспарланған.

**Үйірме жұмысының мақсаты**

1. Білім алушыларға биология ғылымын ағылшын тілінде меңгерту,
2. Тілдік деңгейін дамыту,
3. Биология пәнін ағылшын тілінде түсіну, түсінік айту.
4. Пәннен алған білімдерін тереңдету;
5. Оқушылардың пәнге қызығушылығын арттыру;
6. Биология ғылымының тылсым құпияларын білуге бағыт-бағдар беру;

**Үйірме жұмысының міндеті**

1. Білім алушылардың биология ғылымына қызығушылығын арттыру,
2. Ағылшын тілінің деңгейін дамыту.
3. Жайдан күрделіге қарай сатылап өте отырып ,білім – біліктілік дағдыларын қалыптастыру;
4. Анықтамалық, ғылыми әдебиеттермен, мерзімдік басылымдармен, интернетпен жұмыс жасап еркін ақпарат көздерін пайдалана білуге баулу;
5. Анатомия ғылымын зерттей отырып, талдау жасауға үйрету;
6. Теориялық білімді іс жүзінде пайдалануды, оқушының өз білімін саралауға, өздігінен ізденіп, қорытынды жасауға үйрету;
7. Оқушылардың ой-өрісін кеңейту, кез келген жағдайда алған білімін өмірмен байланыстыру.

**«Биология» үйірме жұмысының жүмыс кестесі**

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| **Дүйсенбі** | **Сейсенбі** | **Сәрсенбі** | **Бейсенбі** | **Жұма** |
| **15.00-16.00** | **15.00-16.00** |  |  |  |
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**Үйірме жұмысына қатысушы білім алушы туралы мәлімет**

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| **№** | **Білім алушының аты-жөні** | **сыныбы** | **ескерту** |
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**«Биология» үйірмесінің жылдық жоспары**

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| --- | --- | --- |
| **№** | **Тақырып** | Сағат саны |
|  | 1.1 CELL STRUCTURE AND TYPES | 1 |
|  | [1.2 PLANT AND ANIMAL TISSUES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/1.2%20PLANT%20AND%20ANIMAL%20TISSUES.xhtml) | 1 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20ch1.xhtml) | 1 |
|  | [2.1 MONOMERS AND POLYMERS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/2.1%20MONOMERS%20AND%20POLYMERS.xhtml) | 1 |
|  | [2.2 CARBOHYDRATES AND LIPIDS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/2.2%20CARBOHYDRATES%20AND%20LIPIDS.xhtml) | 1 |
|  | [2.3 PROTEINS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/2.3%20PROTEINS.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20ch2.xhtml) | 1 |
|  | [3.1 DIVERSITY OF PLANTS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/3.1%20DIVERSITY%20OF%20PLANTS.xhtml) | 2 |
|  | [3.2 KINGDOM FUNGI](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/3.2%20KINGDOM%20FUNGI.xhtml) | 1 |
|  | [3.3 MONOCOTS AND DICOTS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/3.3%20MONOCOTS%20AND%20DICOTS.xhtml) | 1 |
|  | [3.4 ARHROPODS AND CHORDATES CLASSES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/3.4%20ARHROPODS%20AND%20CHORDATES%20CLASSES.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH3.xhtml) | 1 |
|  | [4.1 DIGESTIVE SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/4.1%20DIGESTIVE%20SYSTEM.xhtml) | 1 |
|  | [4.2 STRUCTURE, FUNCTION AND HYGIENE OF TEETH](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/4.2%20STRUCTURE%2C%20FUNCTION%20AND%20HYGIENE%20OF%20TEETH.xhtml) | 2 |
|  | [4.3 DIGESTIVE ORGANS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/4.3%20DIGESTIVE%20ORGANS.xhtml) | 2 |
|  | [4.4 PREVENTION OF GASTROINTESTINAL DISEASES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/4.4%20PREVENTION%20OF%20GASTROINTESTINAL%20DISEASES.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH4.xhtml) | 1 |
|  | [5.1 LYMPHATIC SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.1%20LYMPHATIC%20SYSTEM.xhtml) | 2 |
|  | [5.2 BLOOD AND ITS FUNCTIONS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.2%20BLOOD%20AND%20ITS%20FUNCTIONS.xhtml) | 2 |
|  | [5.3 BLOOD CELLS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.3%20%20BLOOD%20CELLS.xhtml) | 2 |
|  | [5.4 IMMUNITY. HUMORAL AND CELL-MEDIATED IMMUNITY](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.4%20%20IMMUNITY.%20HUMORAL%20AND%20CELL-MEDIATED%20IMMUNITY.xhtml) | 1 |
|  | [5.5 INFECTIOUS DISEASES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.5%20INFECTIOUS%20DISEASES.xhtml) | 1 |
|  | [5.6 IMMUNITY, TYPES OF IMMUNITY](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.6%20IMMUNITY%2C%20TYPES%20OF%20IMMUNITY.xhtml) | 1 |
|  | [5.7 BLOOD TYPES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.7%20BLOOD%20TYPES.xhtml) | 2 |
|  | [5.8 HEART AND BLOOD VESSELS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.8%20HEART%20AND%20BLOOD%20VESSELS.xhtml) | 2 |
|  | [5.9 CIRCULATORY SYSTEM TYPES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.9%20CIRCULATORY%20SYSTEM%20TYPES.xhtml) | 2 |
|  | [5.10 PHYSICAL EXERCISES AND THE HEART](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.10%20PHYSICAL%20EXERCISES%20AND%20THE%20HEART.xhtml) | 1 |
|  | [5.11 DISEASES OF HUMAN CIRCULATORY SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/5.11%20DISEASES%20OF%20HUMAN%20CIRCULATORY%20SYSTEM.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH5.xhtml) | 1 |
|  | [6.1 GAS EXCHANGE](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/6.1%20GAS%20EXCHANGE.xhtml) | 1 |
|  | [6.2 BREATHING](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/6.2%20BREATHING.xhtml) | 2 |
|  | [6.3 LUNG CAPACITY](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/6.3%20LUNG%20CAPACITY.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH6.xhtml) | 1 |
|  | [7.1 HUMAN URINARY SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/7.1%20HUMAN%20URINARY%20SYSTEM.xhtml) | 2 |
|  | [7.2 SKIN](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/7.2%20SKIN.xhtml) | 2 |
|  | [7.3 SKIN DISEASES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/7.3%20SKIN%20DISEASES.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH7.xhtml) | 1 |
|  | [8.1 LOCOMOTION SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.1%20LOCOMOTION%20SYSTEM.xhtml) | 2 |
|  | [8.2 BONE STRUCTURE](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.2%20BONE%20STRUCTURE.xhtml) | 2 |
|  | [8.3 JOINTS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.3%20JOINTS.xhtml) | 1 |
|  | [8.4 MOVABLE JOINTS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.4%20MOVABLE%20JOINTS.xhtml) | 1 |
|  | [8.5 MUSCLES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.5%20MUSCLES.xhtml) | 2 |
|  | [8.6 HYPODYNAMIA](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.6%20HYPODYNAMIA.xhtml) | 2 |
|  | [8.7 BIOMECHANICS OF MOVEMENT](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/8.7%20BIOMECHANICS%20OF%20MOVEMENT.xhtml) | 1 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH8.xhtml) | 1 |
|  | [9.1 EYE STRUCTURE](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.1%20EYE%20STRUCTURE.xhtml) | 2 |
|  | [9.2 HEARING](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.2%20HEARING.xhtml) | 2 |
|  | [9.3 RECEPTORS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.3%20RECEPTORS.xhtml) | 2 |
|  | [9.4 ENDOCRINE GLANDS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.4%20ENDOCRINE%20GLANDS.xhtml) | 1 |
|  | [9.5 DISEASES OF THE ENDOCRINE SYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.5%20DISEASES%20OF%20THE%20ENDOCRINE%20SYSTEM.xhtml) | 2 |
|  | [9.6 SKIN RECEPTORS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.6%20SKIN%20RECEPTORS.xhtml) | 2 |
|  | [9.7 THERMOREGULATION](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/9.7%20THERMOREGULATION.xhtml) | 1 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH9.xhtml) | 1 |
|  | [10.1 CELL DIVISION TYPES](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/10.1%20CELL%20DIVISION%20TYPES%20.xhtml) | 2 |
|  | [10.2 ANIMAL REPRODUCTION](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/10.2%20ANIMAL%20REPRODUCTION%20.xhtml) | 2 |
|  | [10.3 LIFE CYCLES OF MOSSES AND FERNS LIFE CYCLE OF THE FERN](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/10.3%20LIFE%20CYCLES%20OF%20MOSSES%20AND%20FERNS%20LIFE%20CYCLE%20OF%20THE%20FERN.xhtml) | 1 |
|  | [10.4 LIFE CYCLES OF GYMNOSPERMS AND ANGIOSPERMS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/10.4%20%20LIFE%20CYCLES%20OF%20GYMNOSPERMS%20AND%20ANGIOSPERMS.xhtml) | 1 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH10.xhtml) | 1 |
|  | [11.1 EMBRYONIC DEVELOPMENT](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/11.1%20EMBRYONIC%20DEVELOPMENT.xhtml) | 2 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH11.xhtml) | 1 |
|  | [12.1 ROLE OF INHERITANCE AND VARIATION IN EVOLUTION](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/12.1%20ROLE%20OF%20INHERITANCE%20AND%20VARIATION%20IN%20EVOLUTION.xhtml) | 1 |
|  | [12.2 SELECTIVE BREEDING](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/12.2%20SELECTIVE%20BREEDING.xhtml) | 2 |
|  | [12.3 ORIGIN CENTERS OF DOMESTIC PLANTS AND ANIMALS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/12.3%20ORIGIN%20CENTERS%20OF%20DOMESTIC%20PLANTS%20AND%20ANIMALS.xhtml) | 1 |
|  | [12.4 CROPS AND DOMESTIC ANIMALS OF KAZAKHSTAN](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/12.4%20CROPS%20AND%20DOMESTIC%20ANIMALS%20OF%20KAZAKHSTAN.xhtml) | 1 |
|  | [Problems](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/Problems%20CH12.xhtml) | 1 |
|  | [13.1 ECOSYSTEM](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/13.1%20ECOSYSTEM.xhtml) | 1 |
|  | [13.3 INTERRELATION BETWEEN LIVING THINGS](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/13.3%20INTERRELATION%20BETWEEN%20LIVING%20THINGS.xhtml) | 1 |
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|  | [14.1 PRESERVING AND MAINTAINING BIODIVERSITY](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/14.1%20PRESERVING%20AND%20MAINTAINING%20BIODIVERSITY.xhtml) | 1 |
|  | [14.2 ECOLOGICAL PROBLEMS OF KAZAKHSTAN](ms-local-stream://EpubReader_CD70AA488BAB9CC8909A3D4086FFF08B074A1B0908BA607C7AFFD0AEDFD7E3/Content/OEBPS/Text/14.2%20ECOLOGICAL%20PROBLEMS%20OF%20KAZAKHSTAN.xhtml#sigil_toc_id_3) | 1 |
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